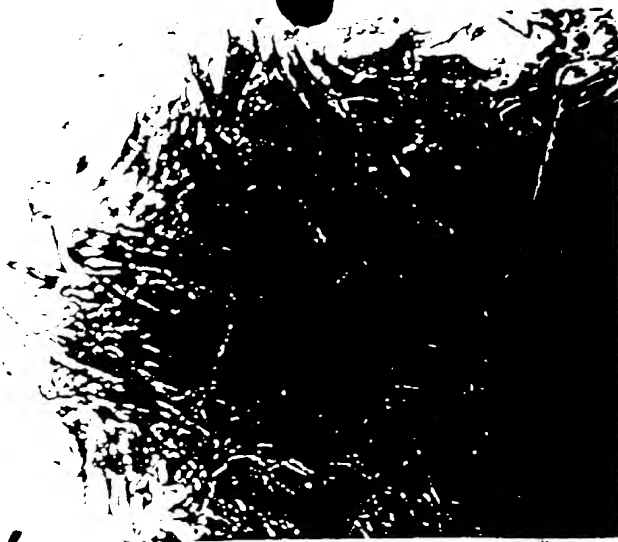


Figure 1

A



B



C



Figure 2

A



B



C

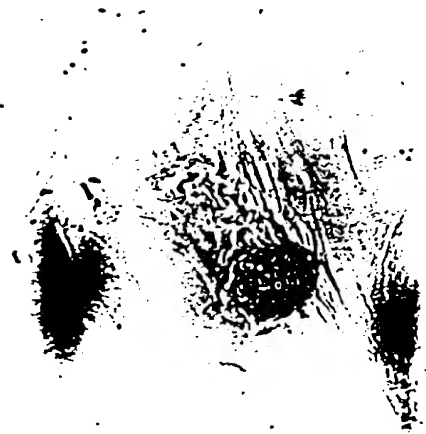
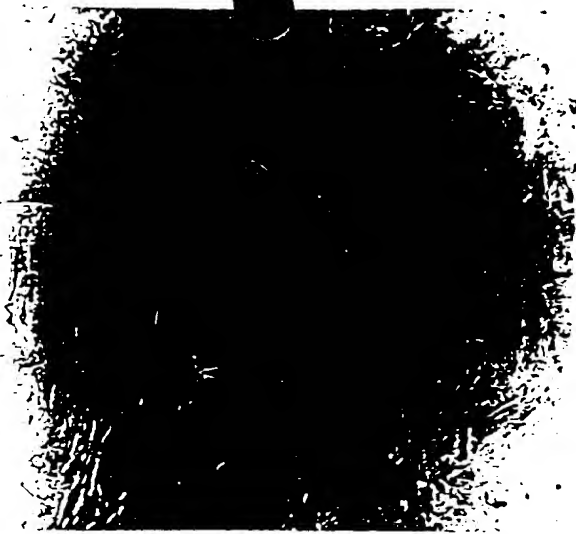


Figure 3

A



B



C

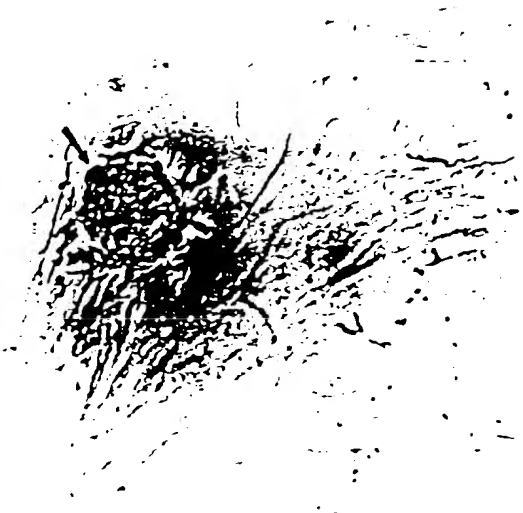


Figure 4





Figure 5

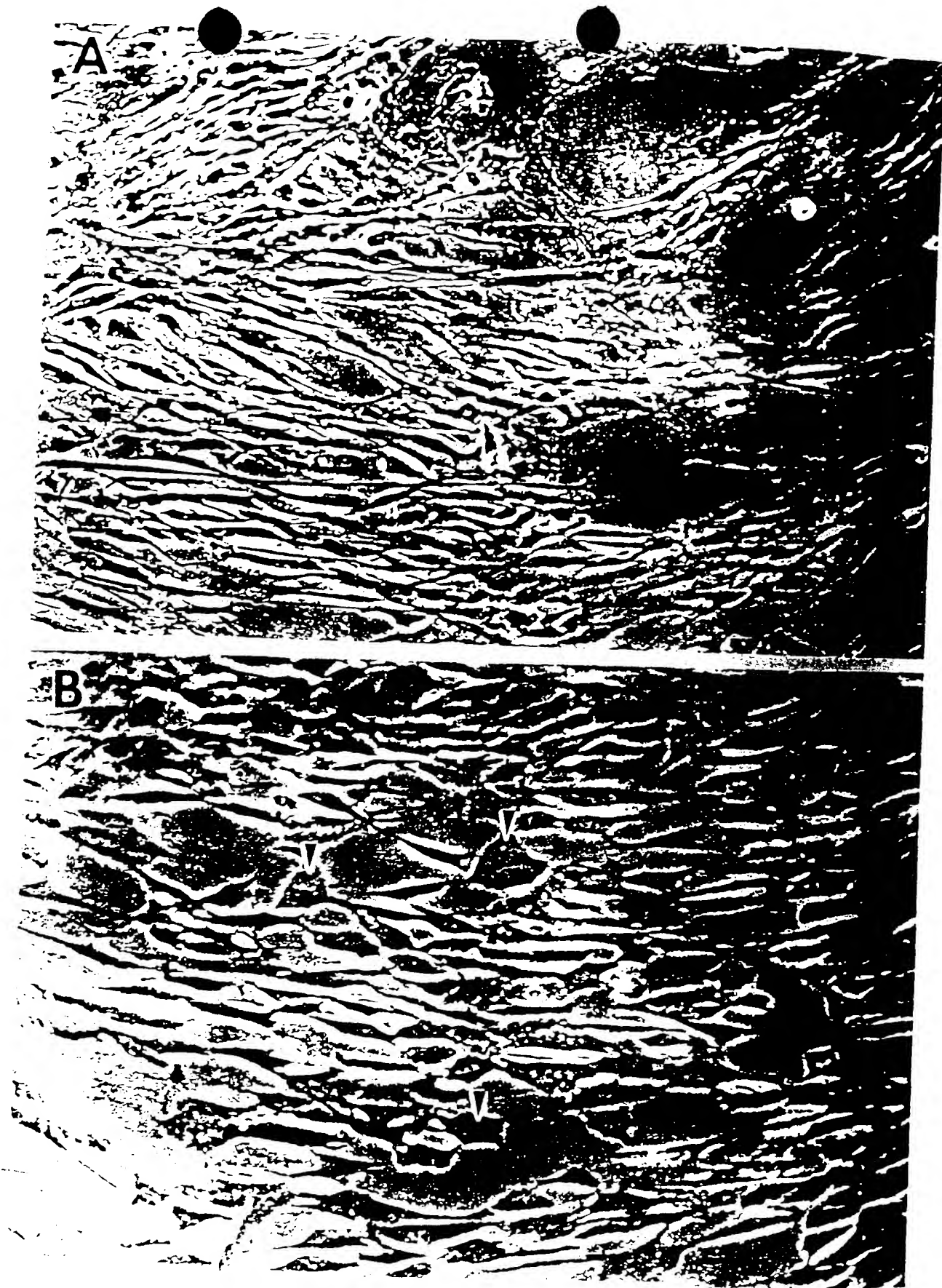


Figure 6

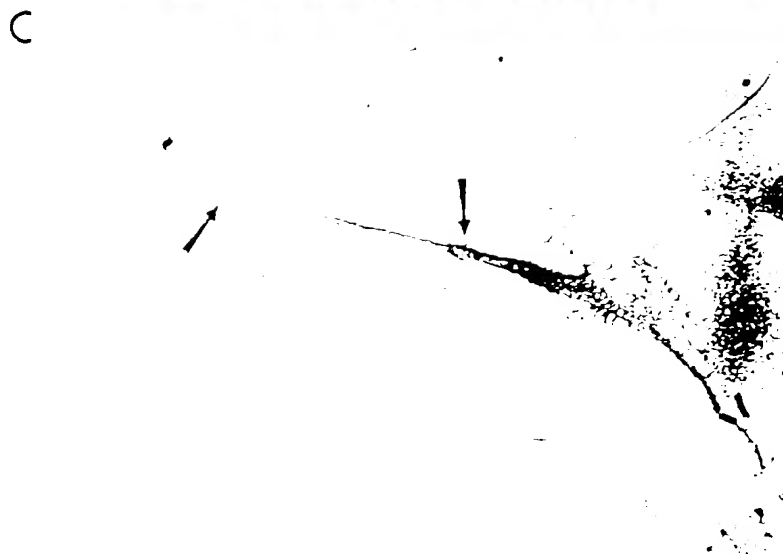
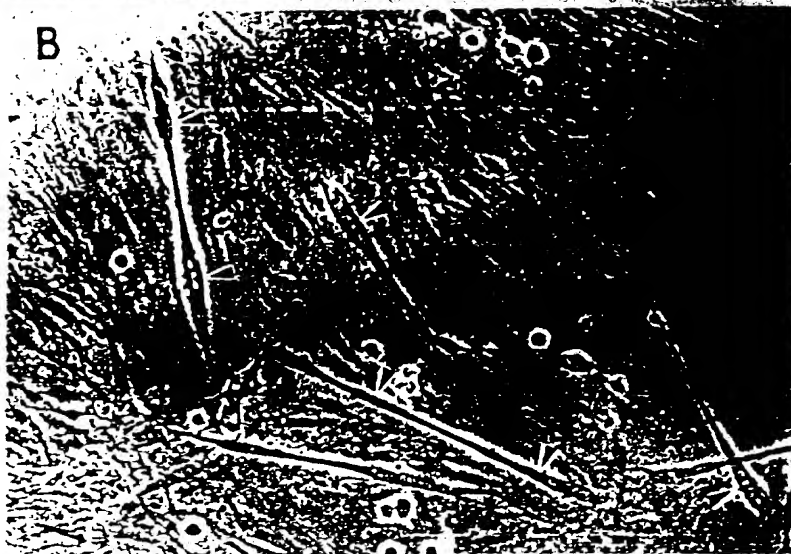
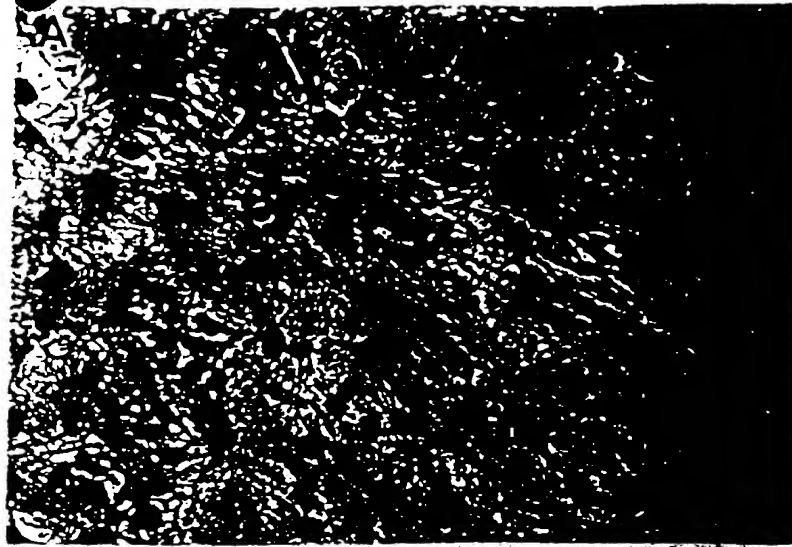


Figure 7

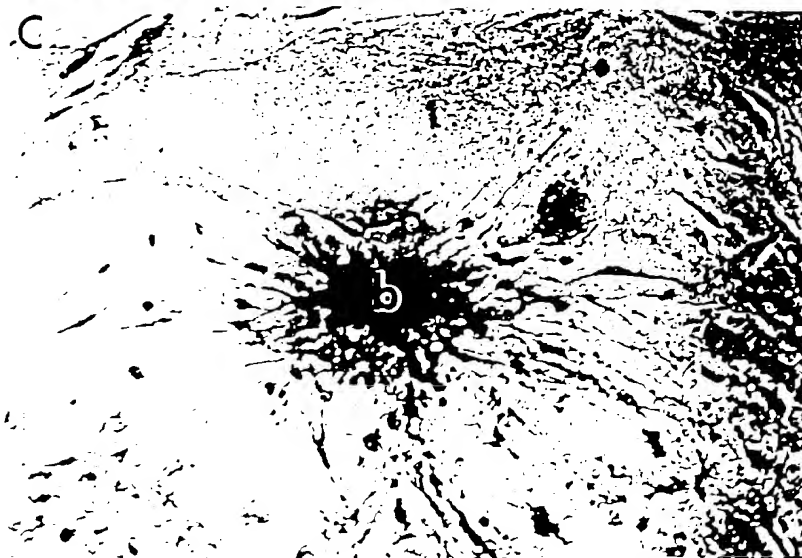
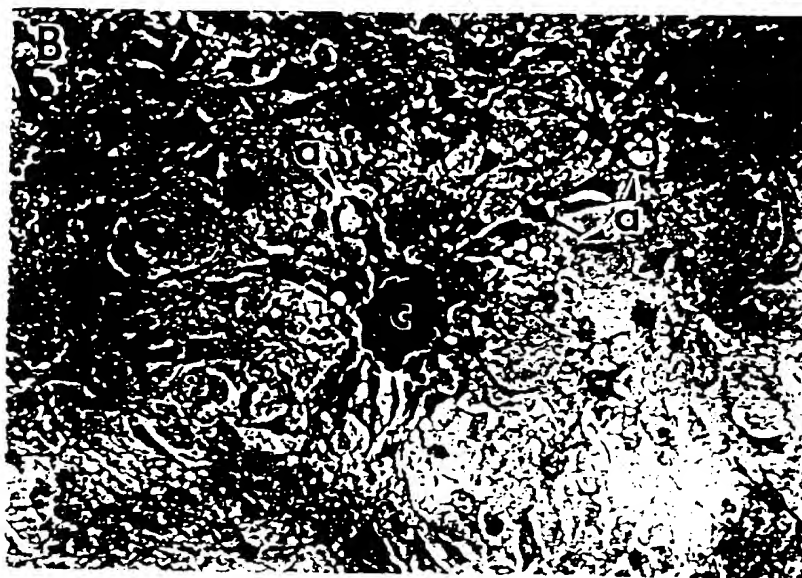
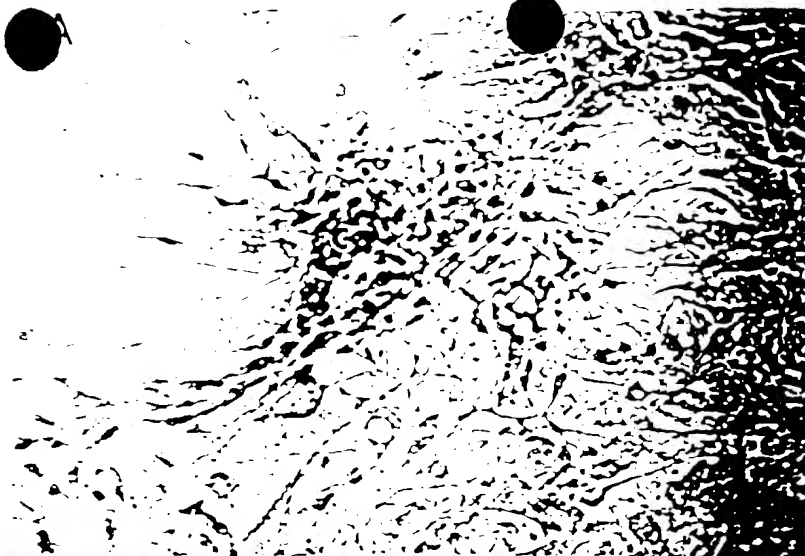


Figure 8

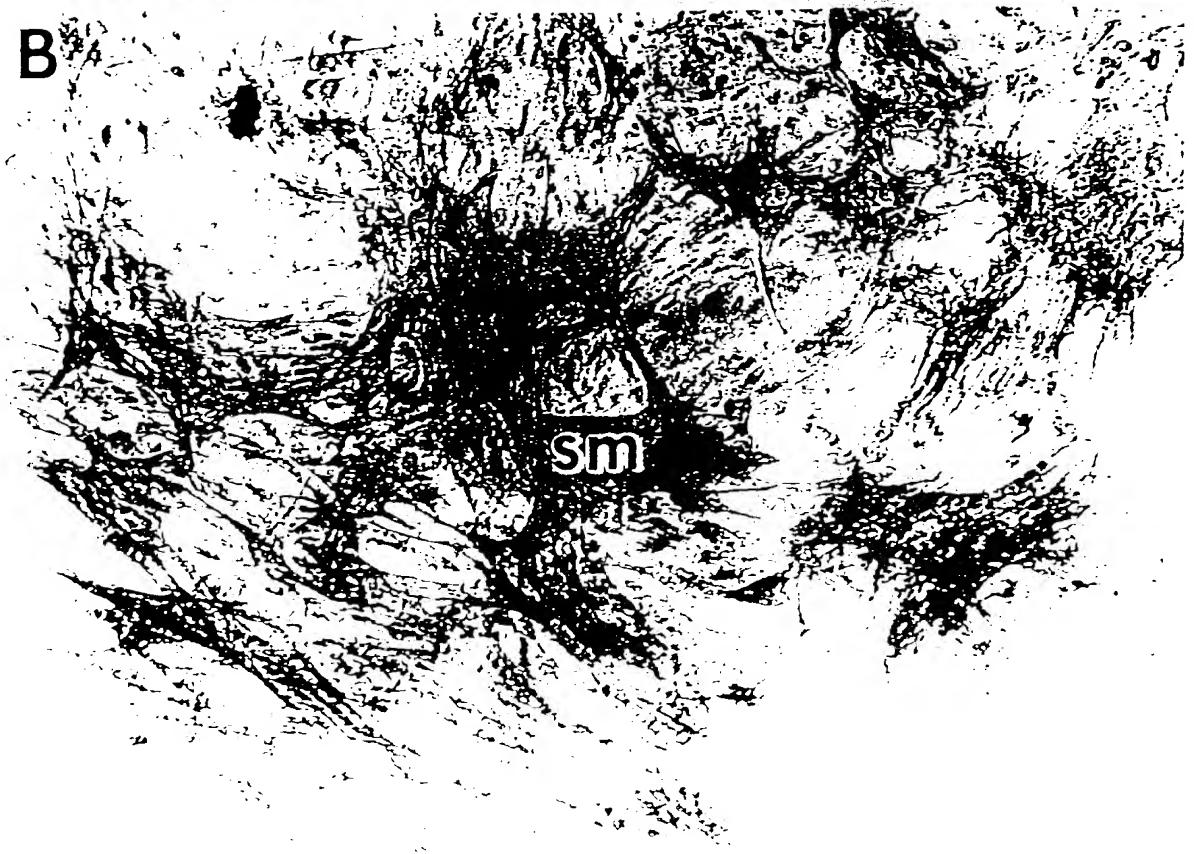
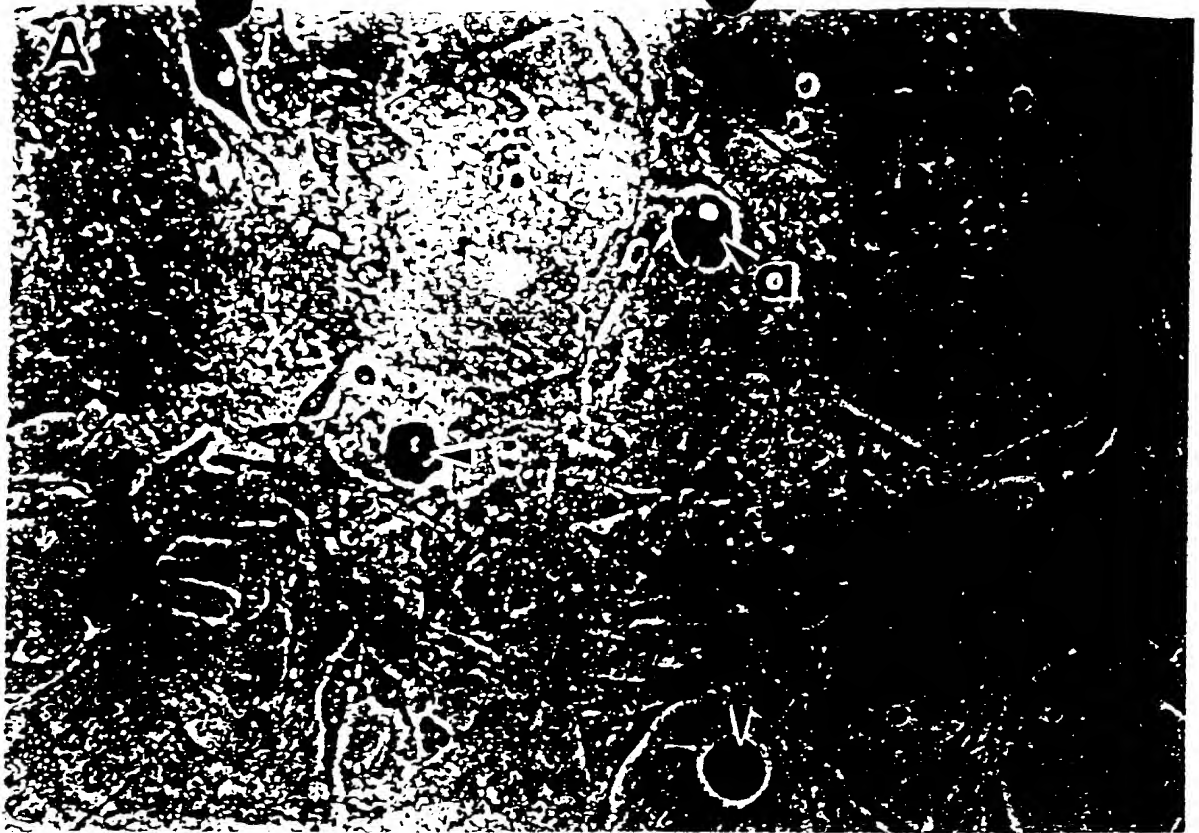


Figure 9

A

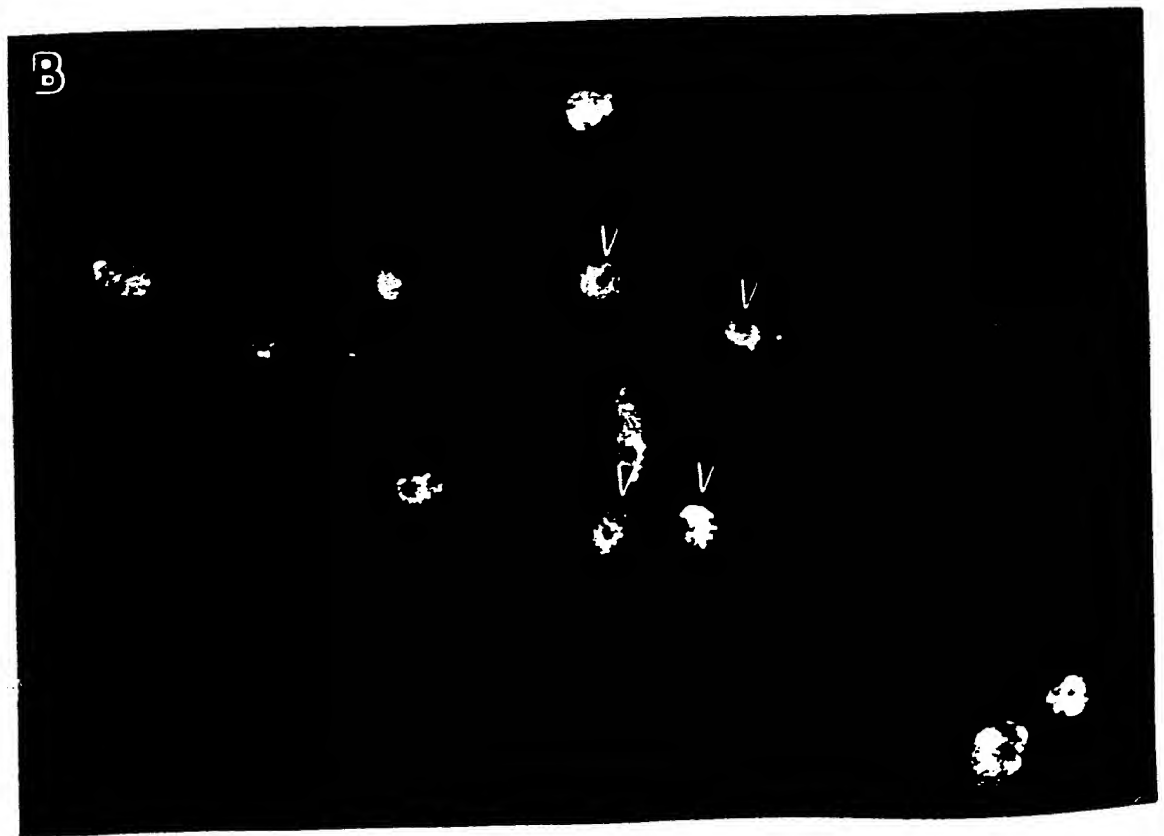


Figure 10



Figure 11



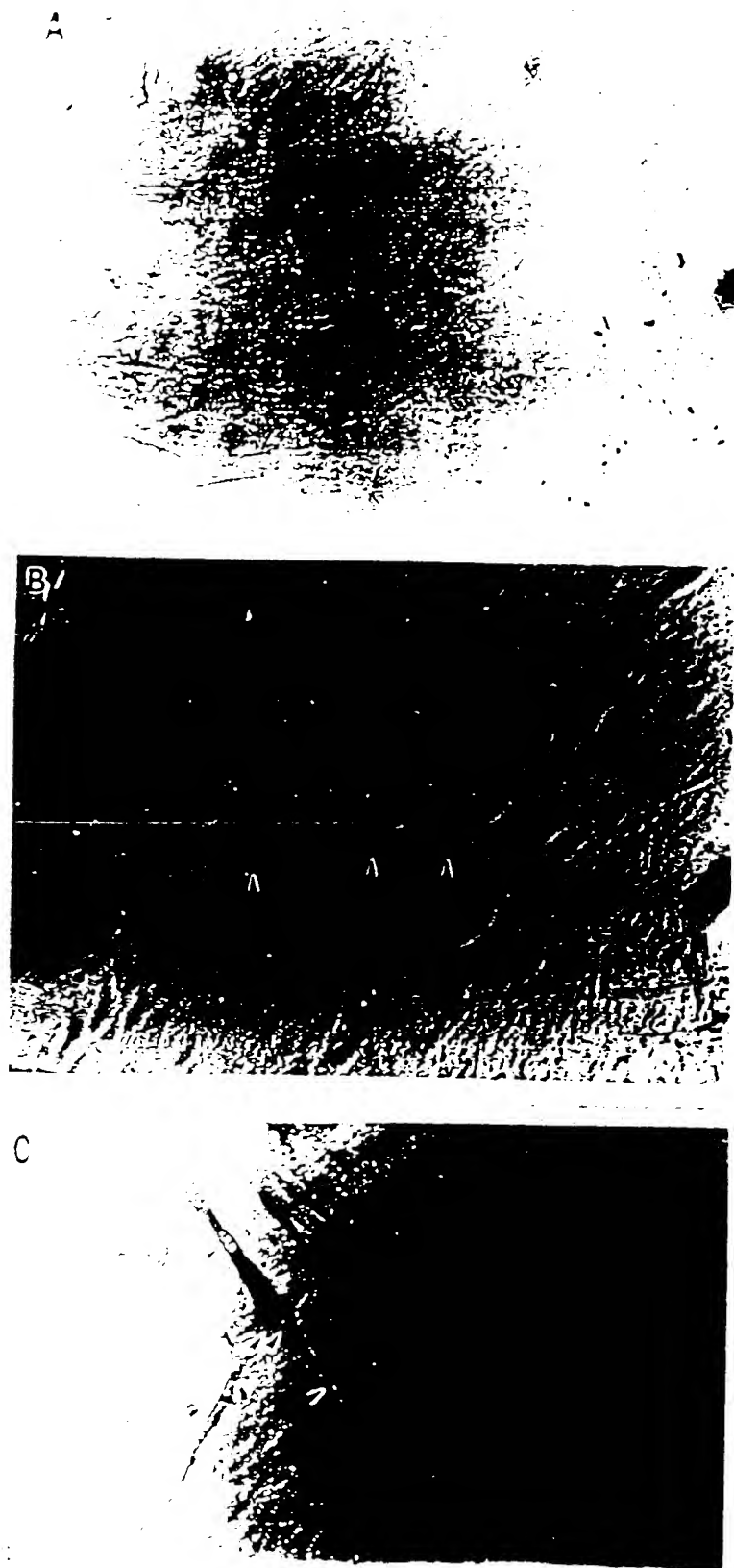


Figure 12



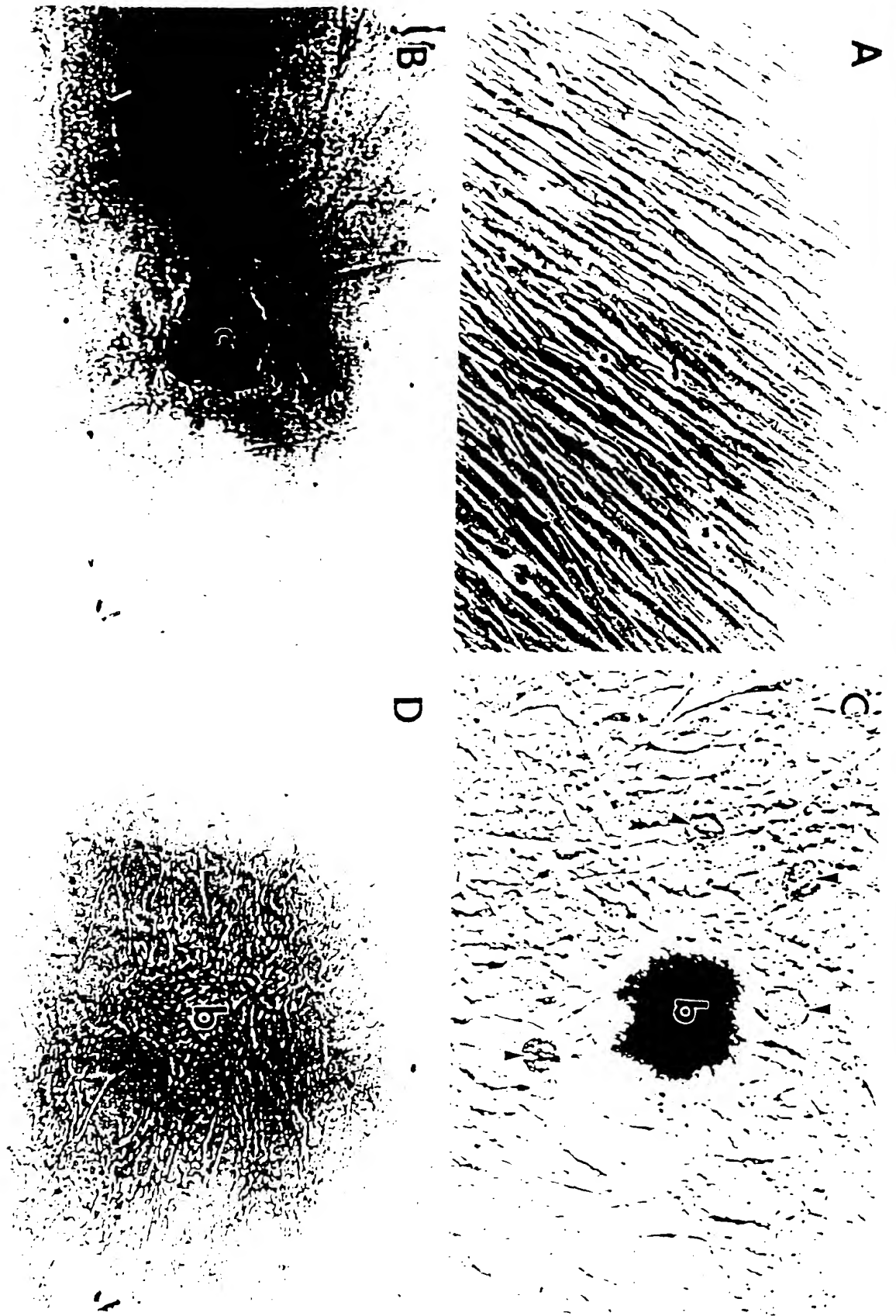


Figure 13

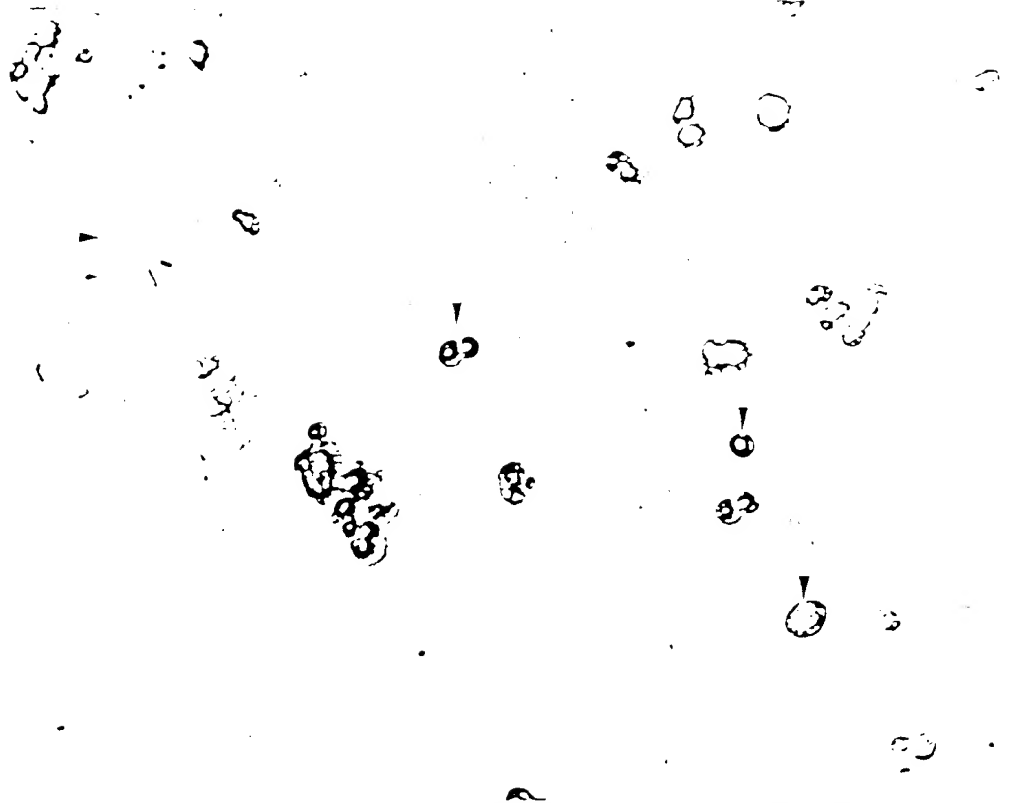


Figure 14



Figure 15

**A**



**B**

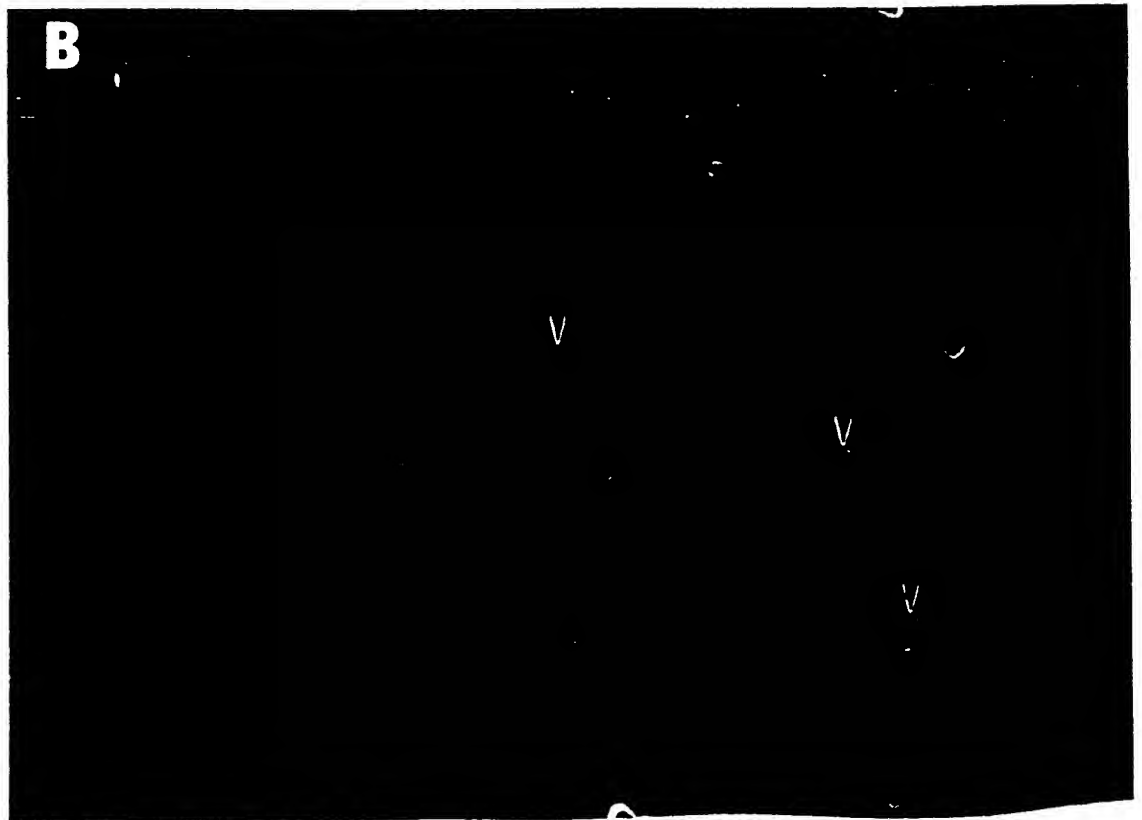


Figure 16

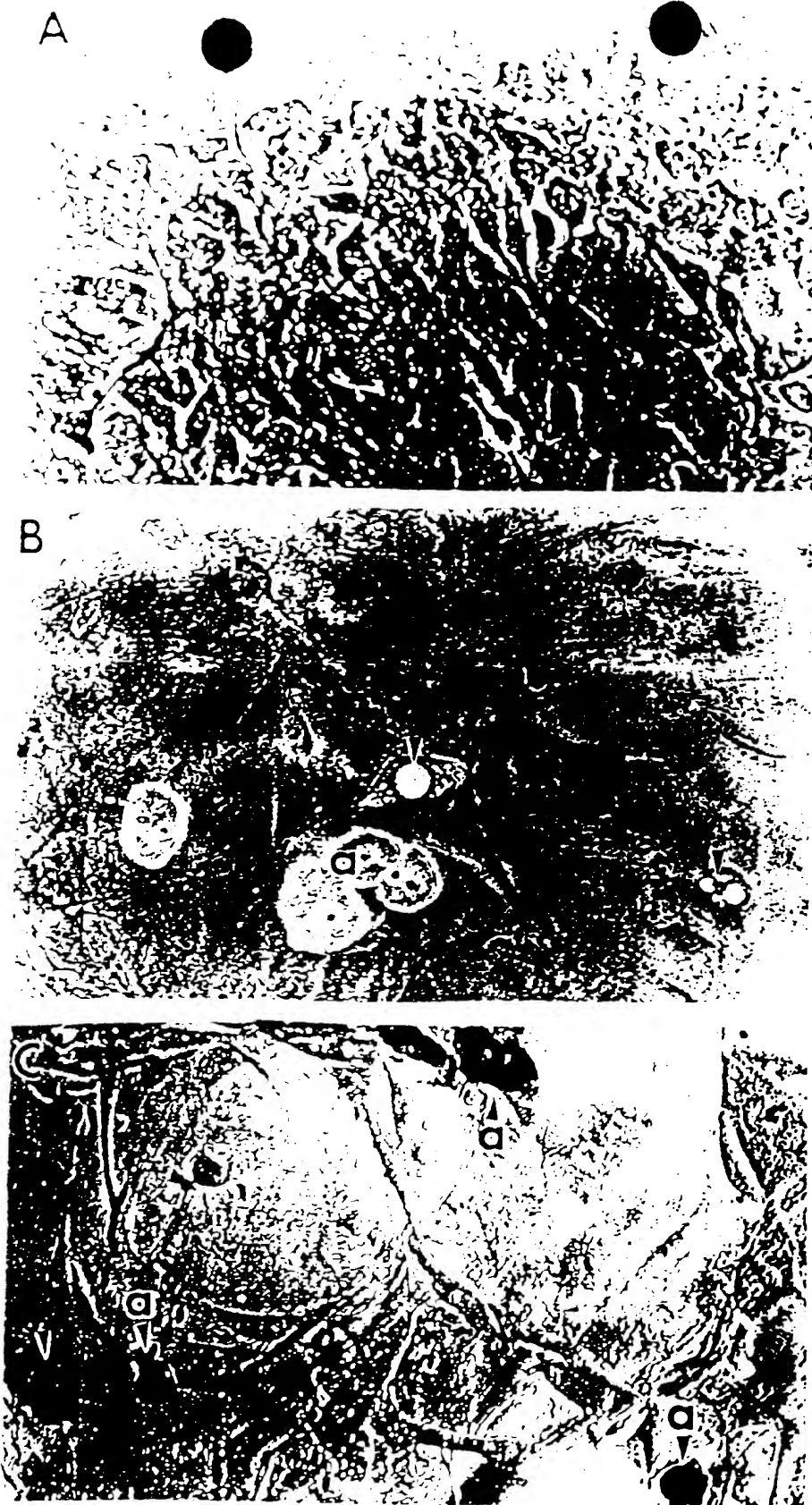


Figure 17

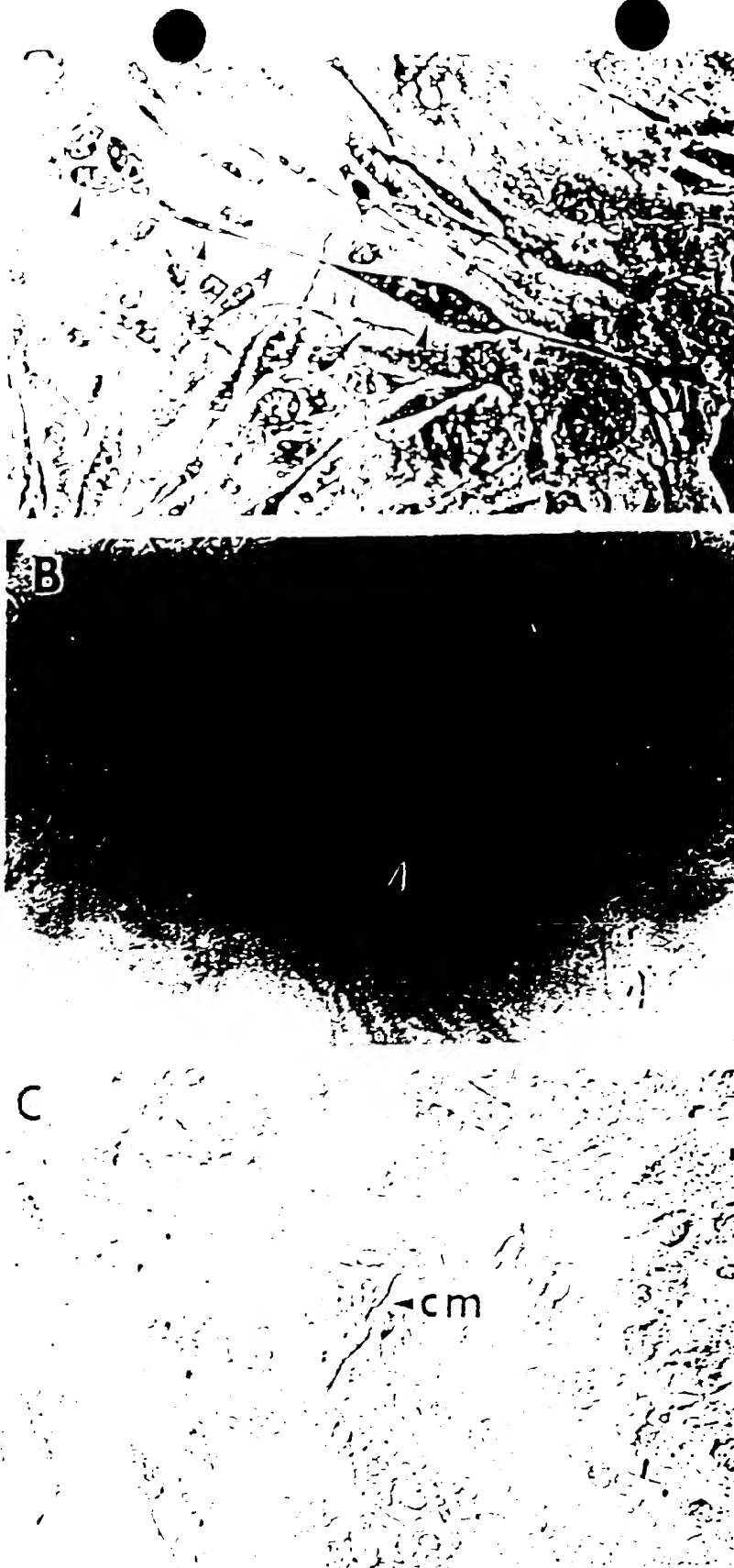


Figure 18

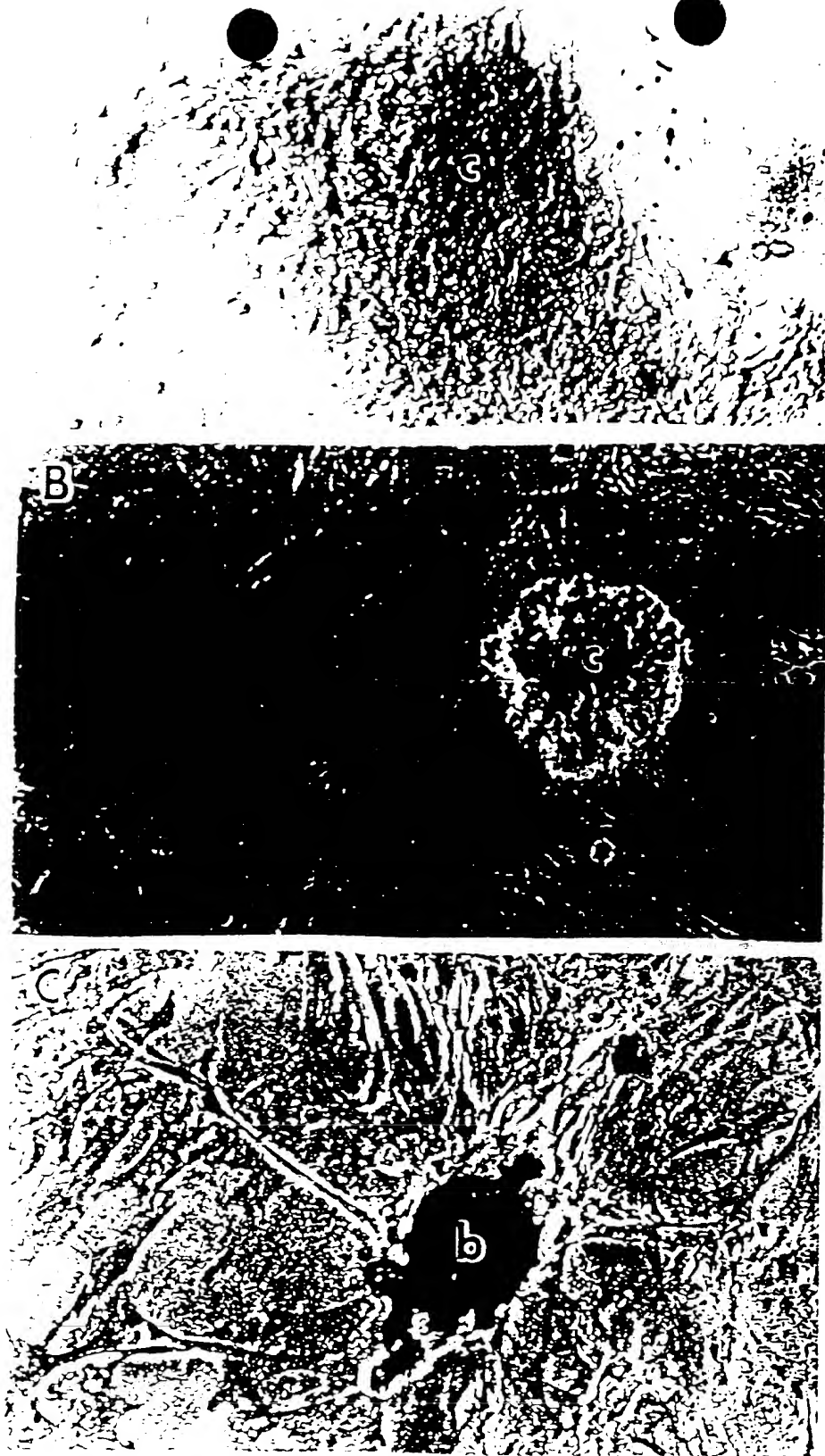


Figure 19



Figure 20



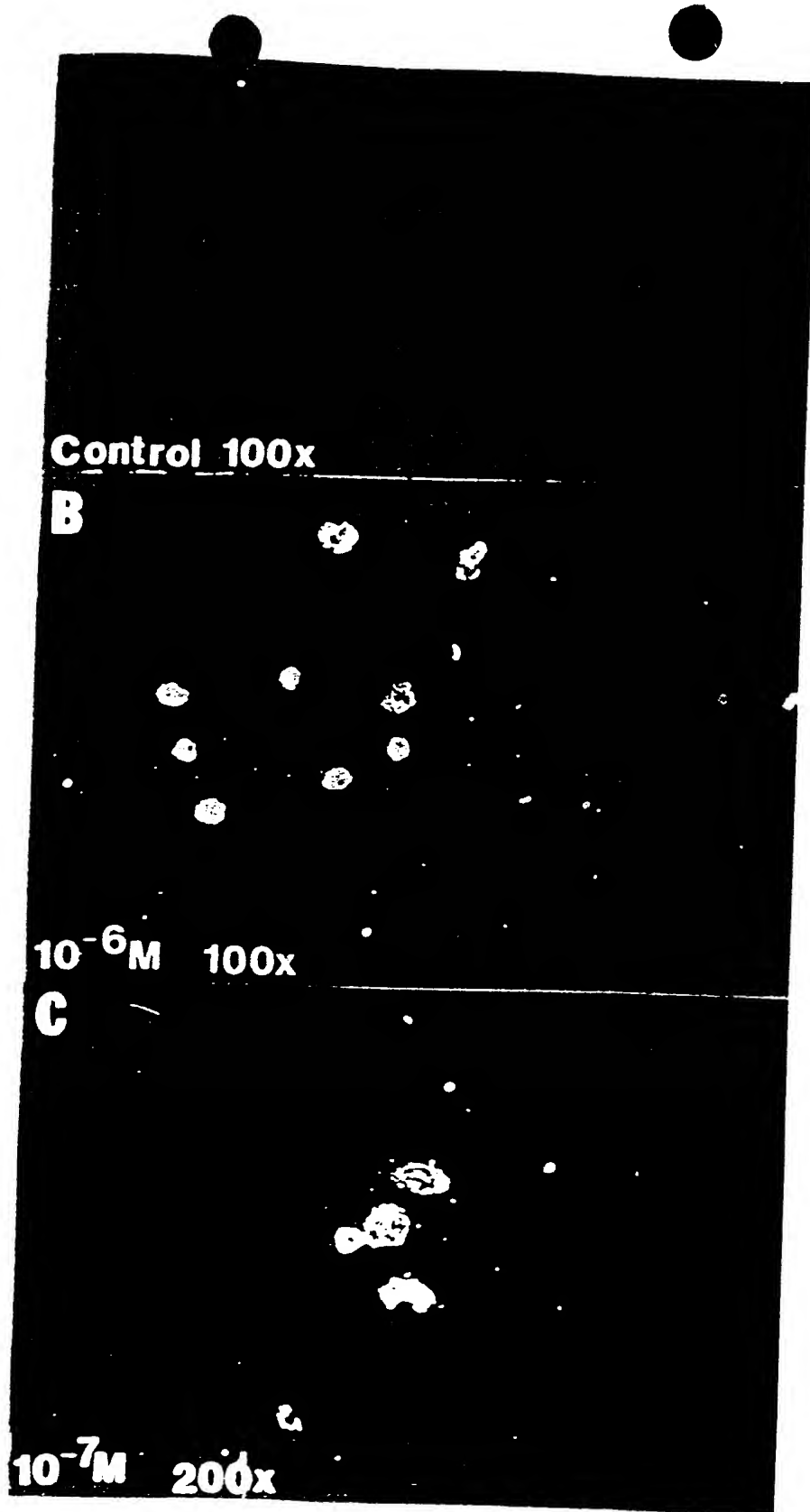


Figure 21

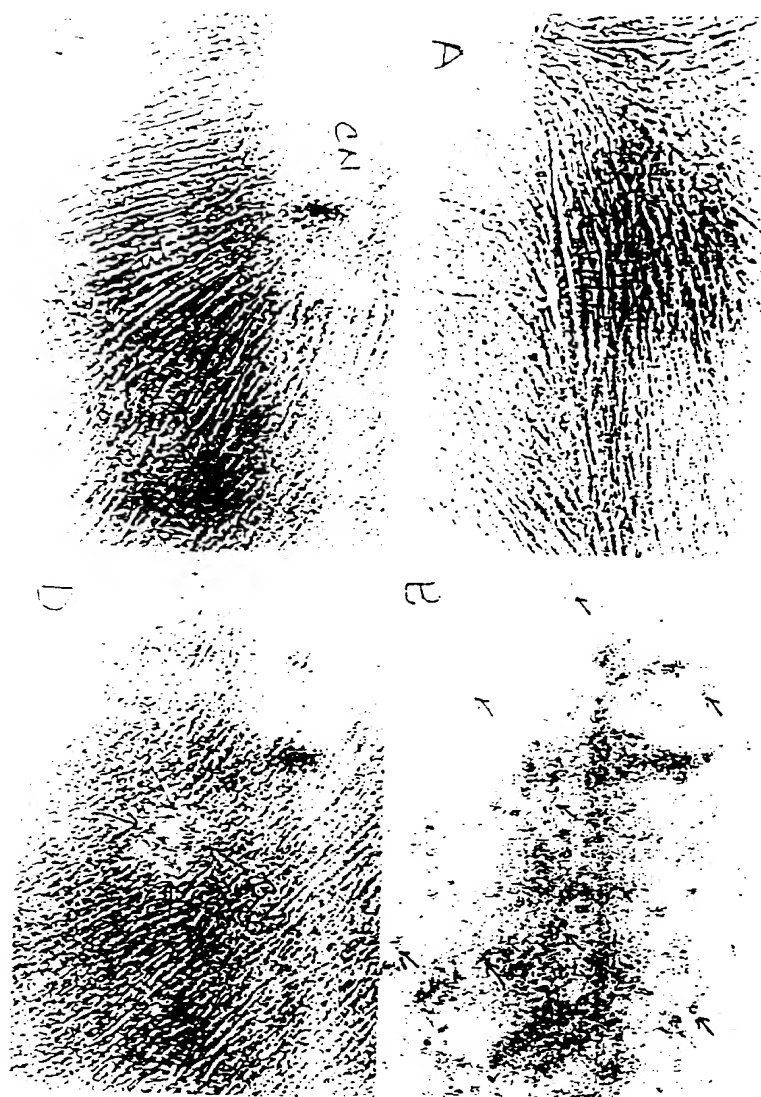


Figure 22

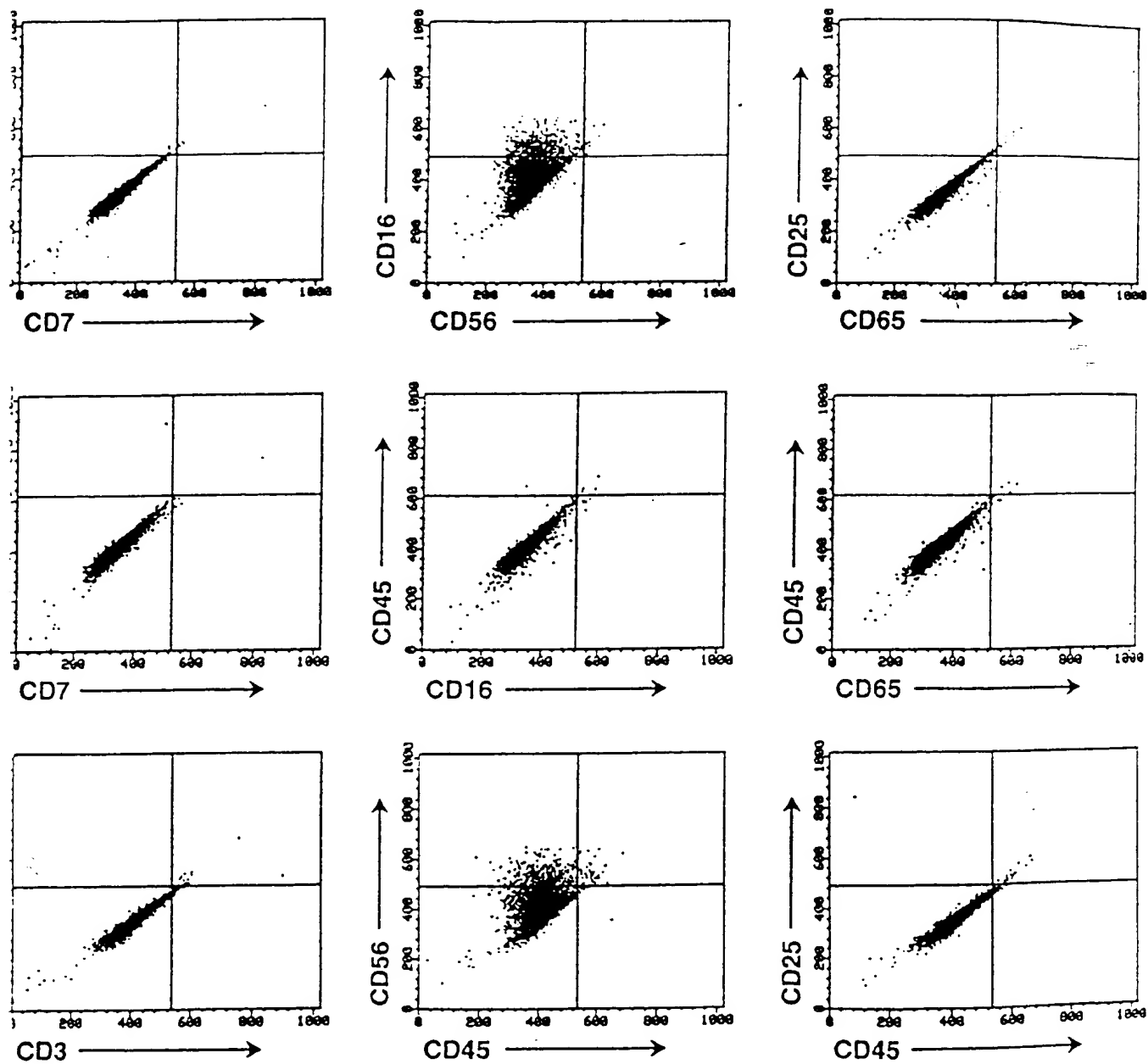


Figure 23

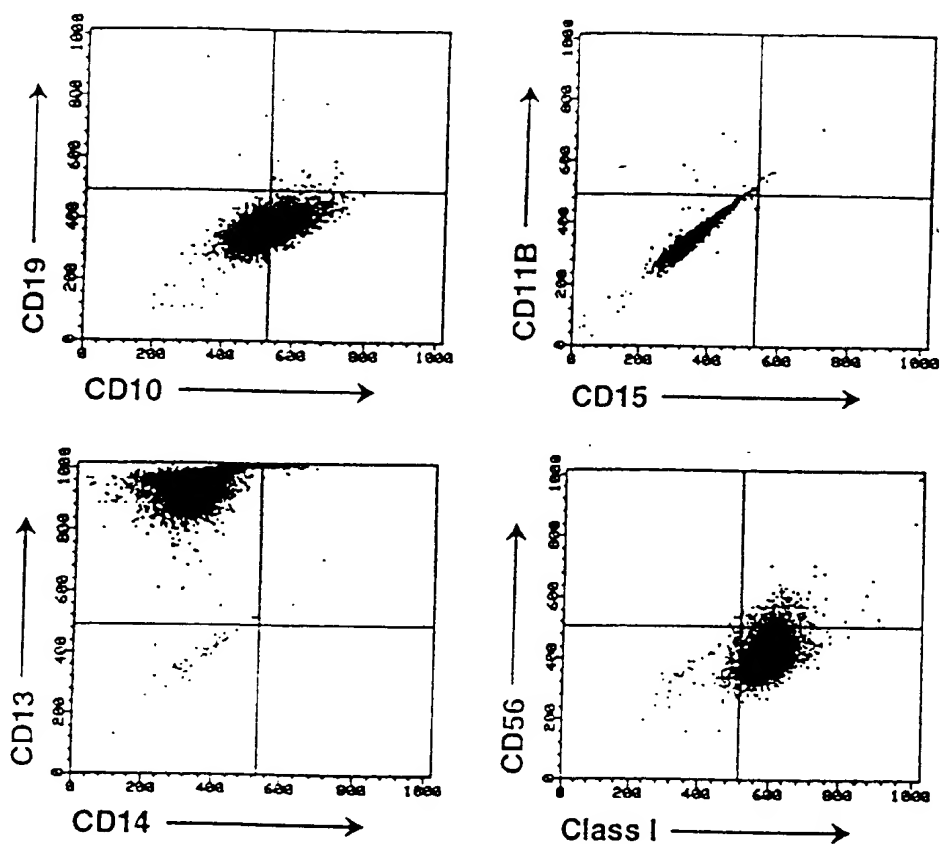


Figure 24

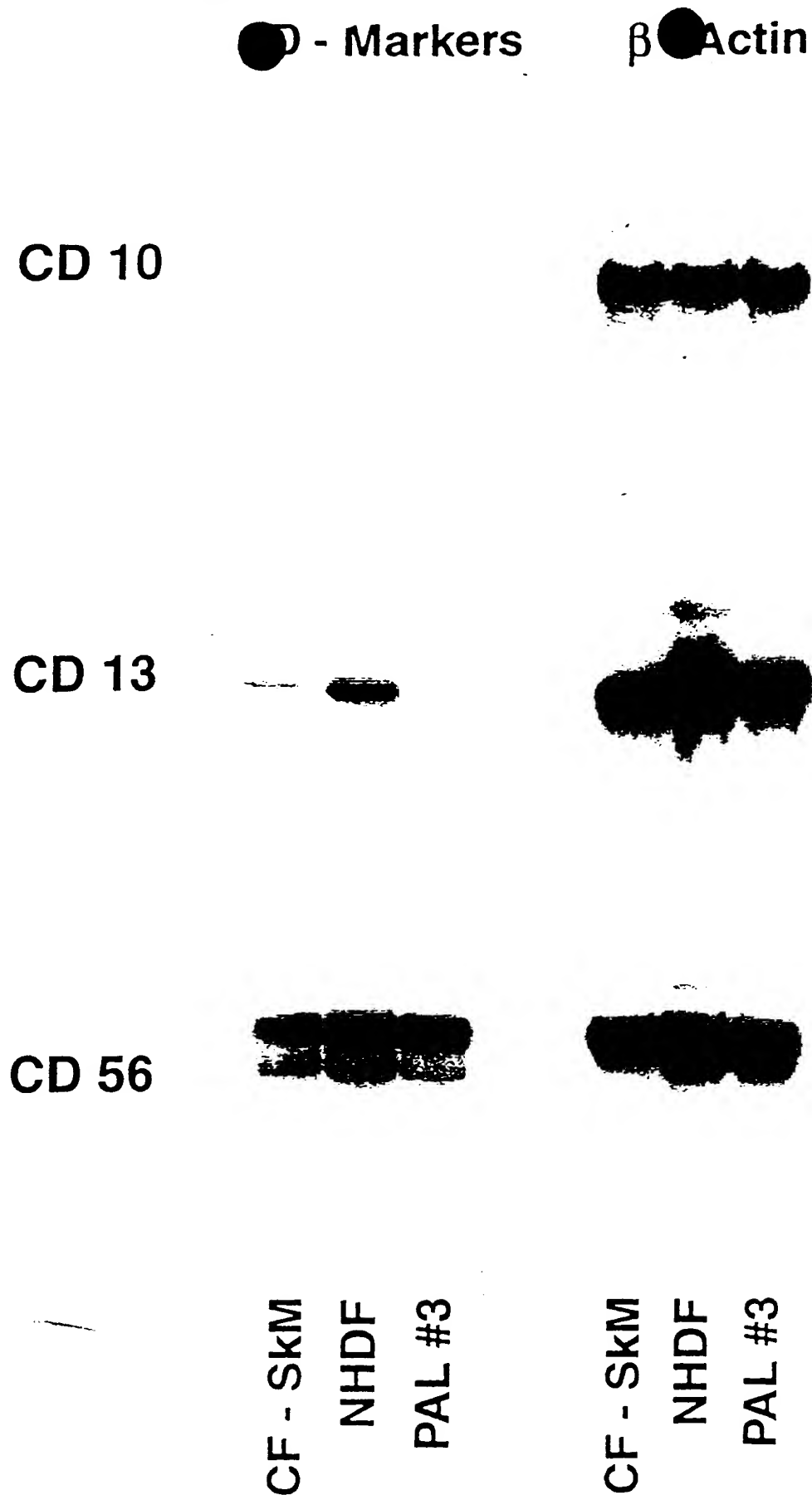


Figure 25

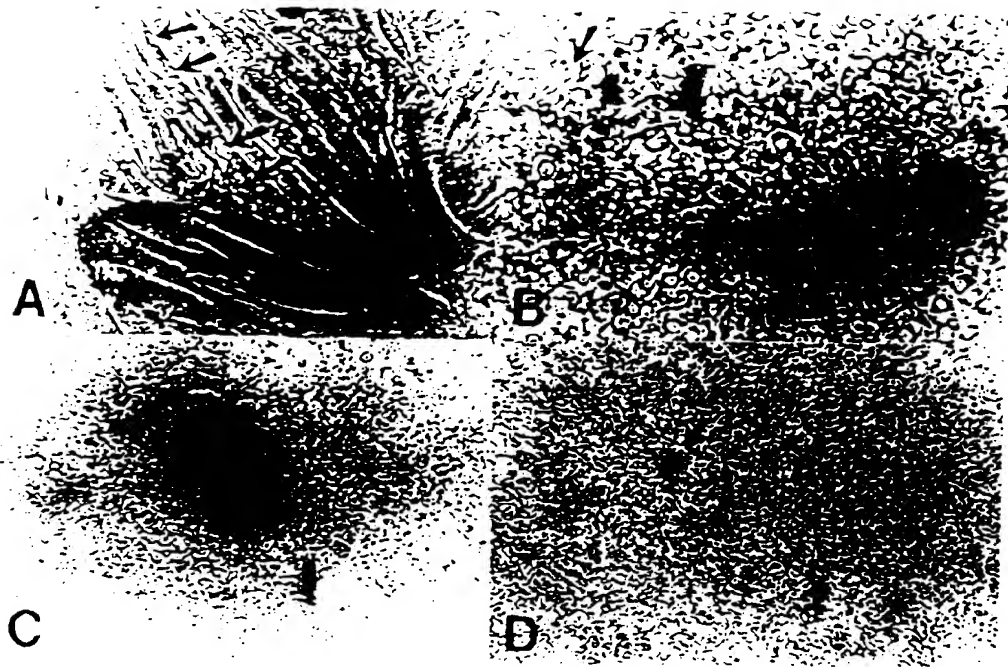


Figure 26

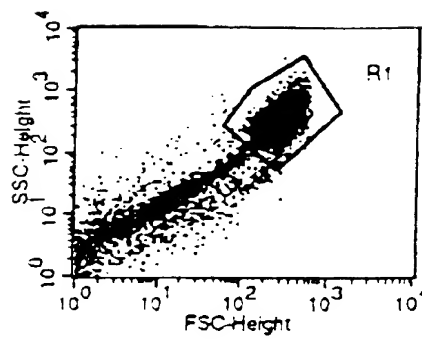


Figure 27

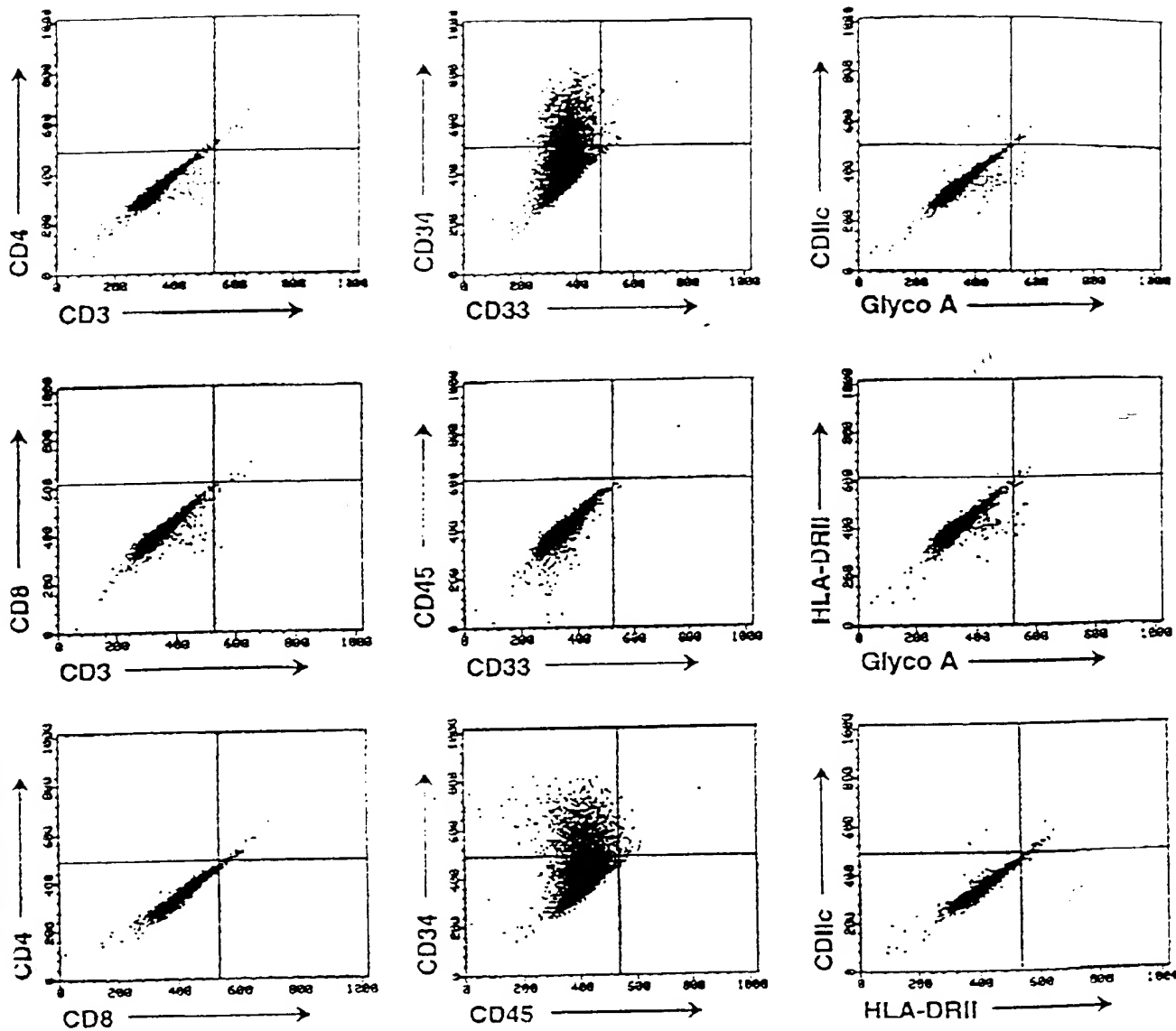


Figure 28



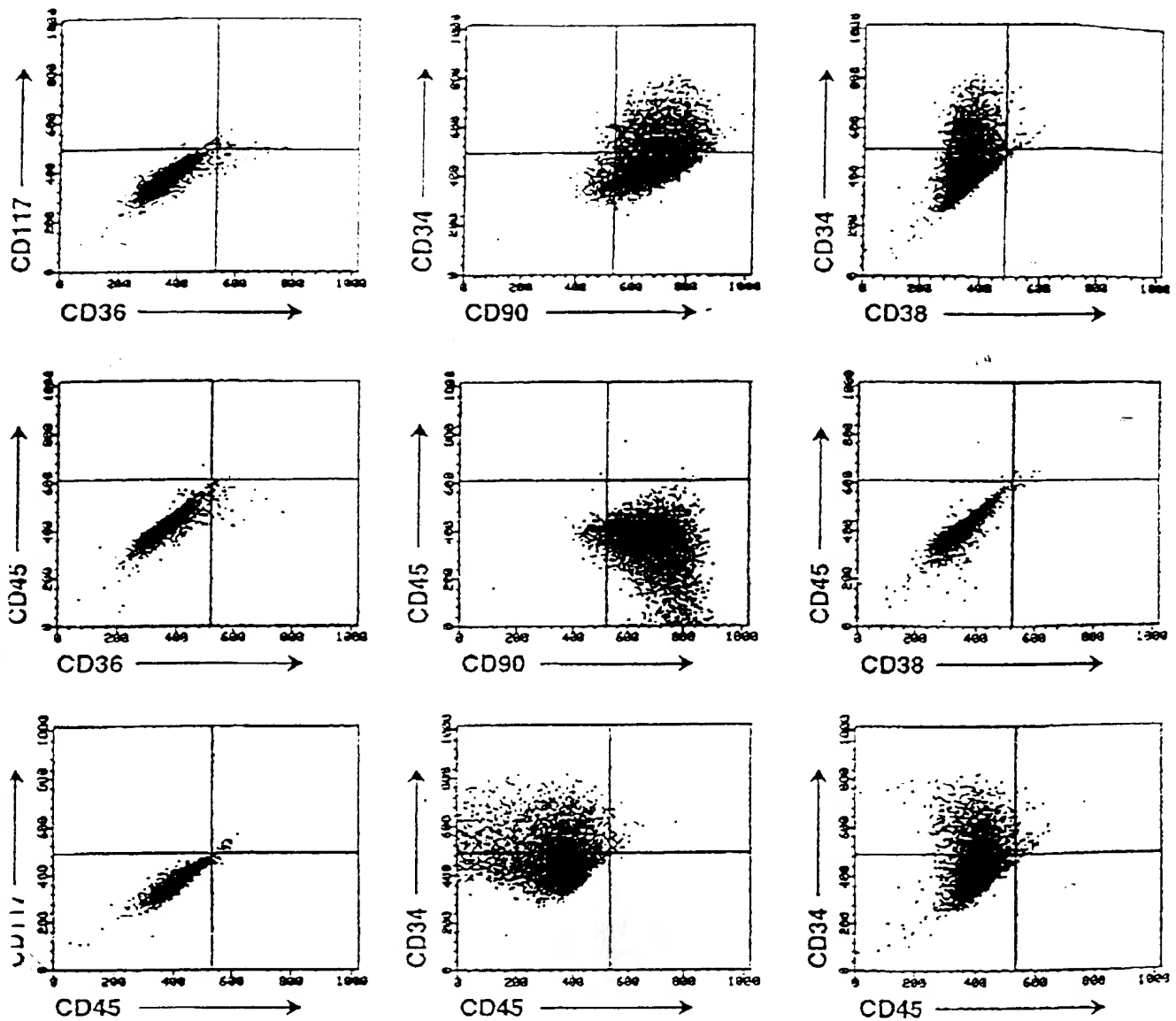


Figure 29

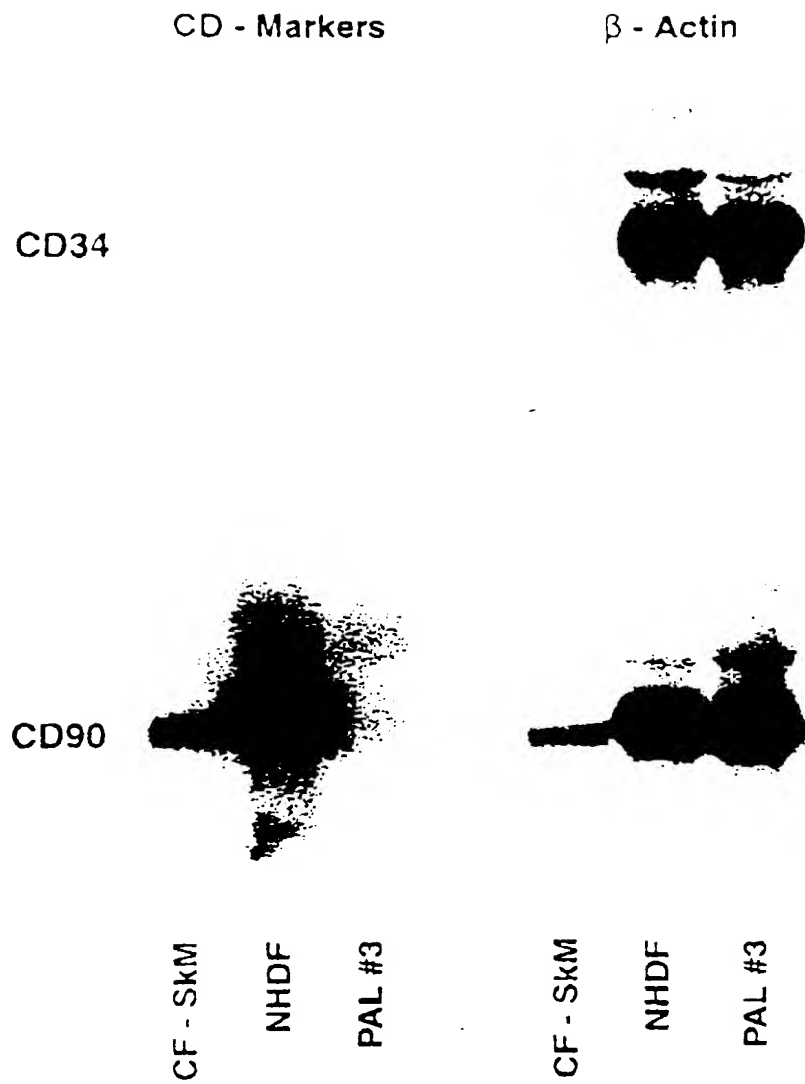


Figure 30

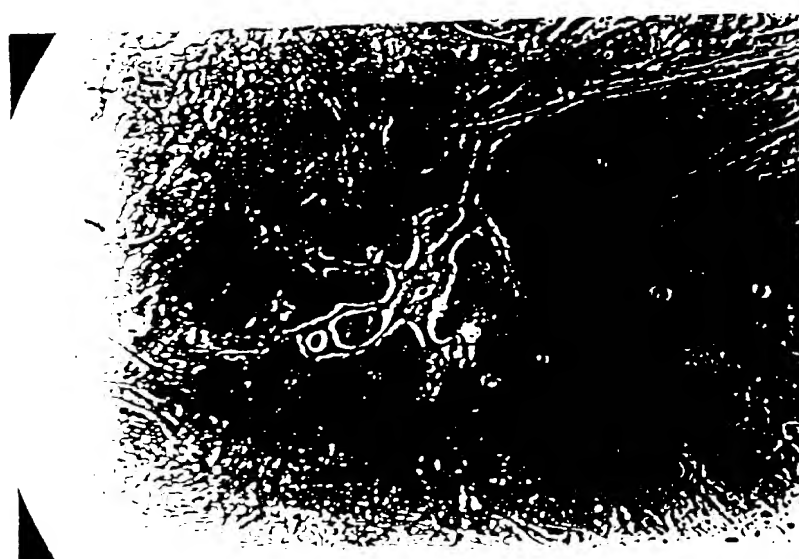
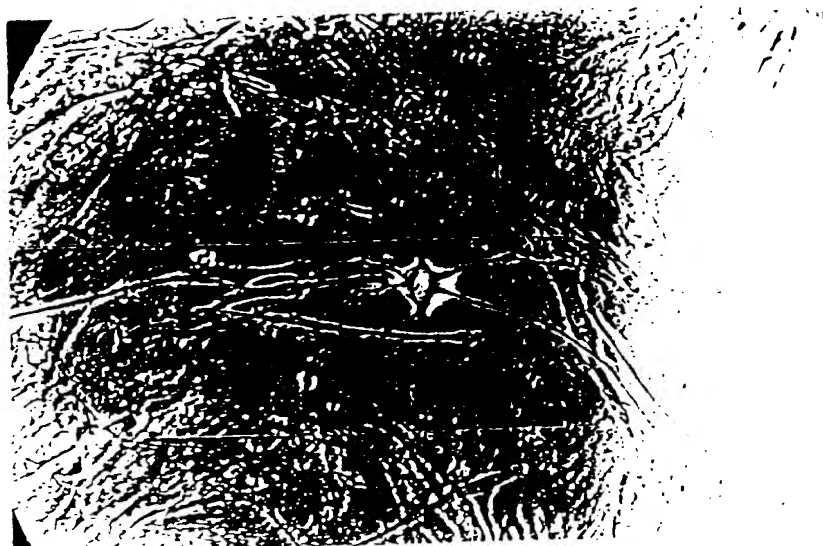


Figure 31 A-C



A



B



C



D



E



F



G



H



I



J



K



L



M



N



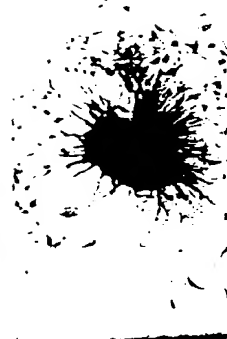
O



P



Q



R



S



T



U



V



W



X

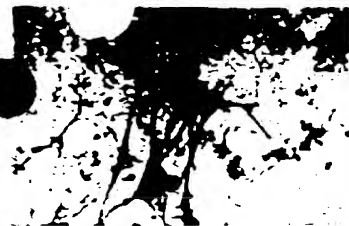


Y

Figure 32 A-Y



A



B



C



D



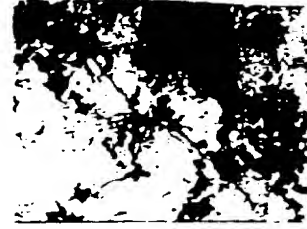
E



F



G



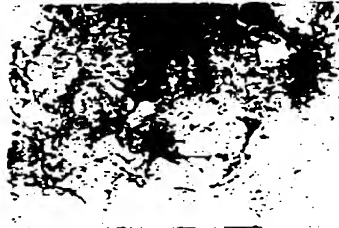
H



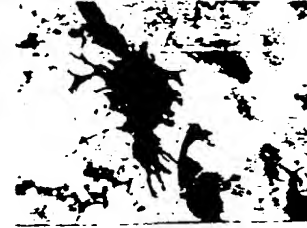
I



J



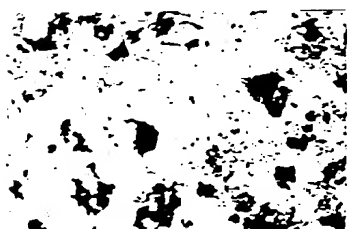
K



L



M



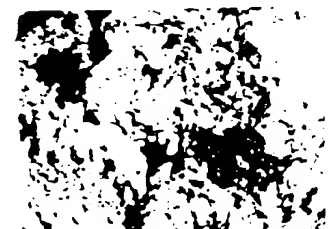
N



O



P



Q



R

Figure 33 A-R

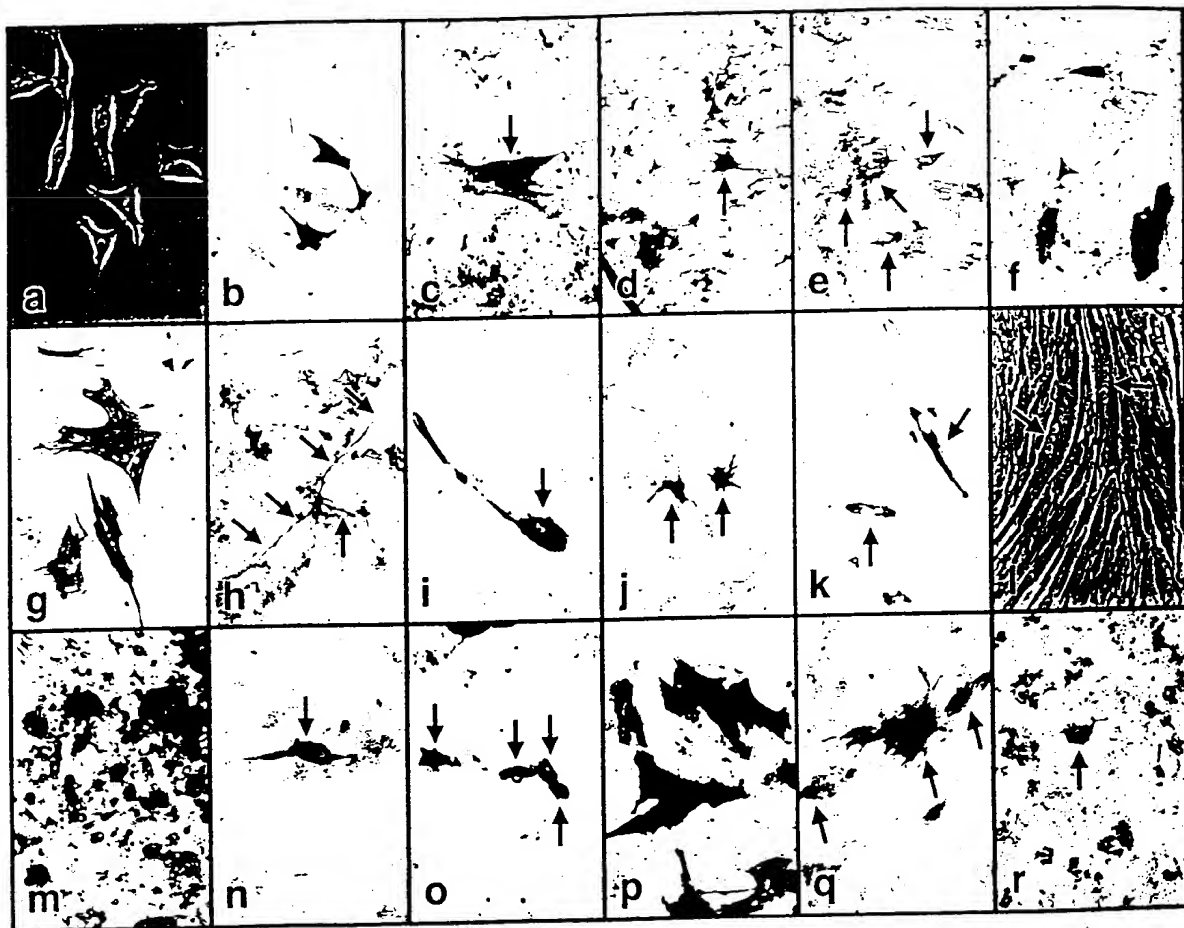


Figure 34

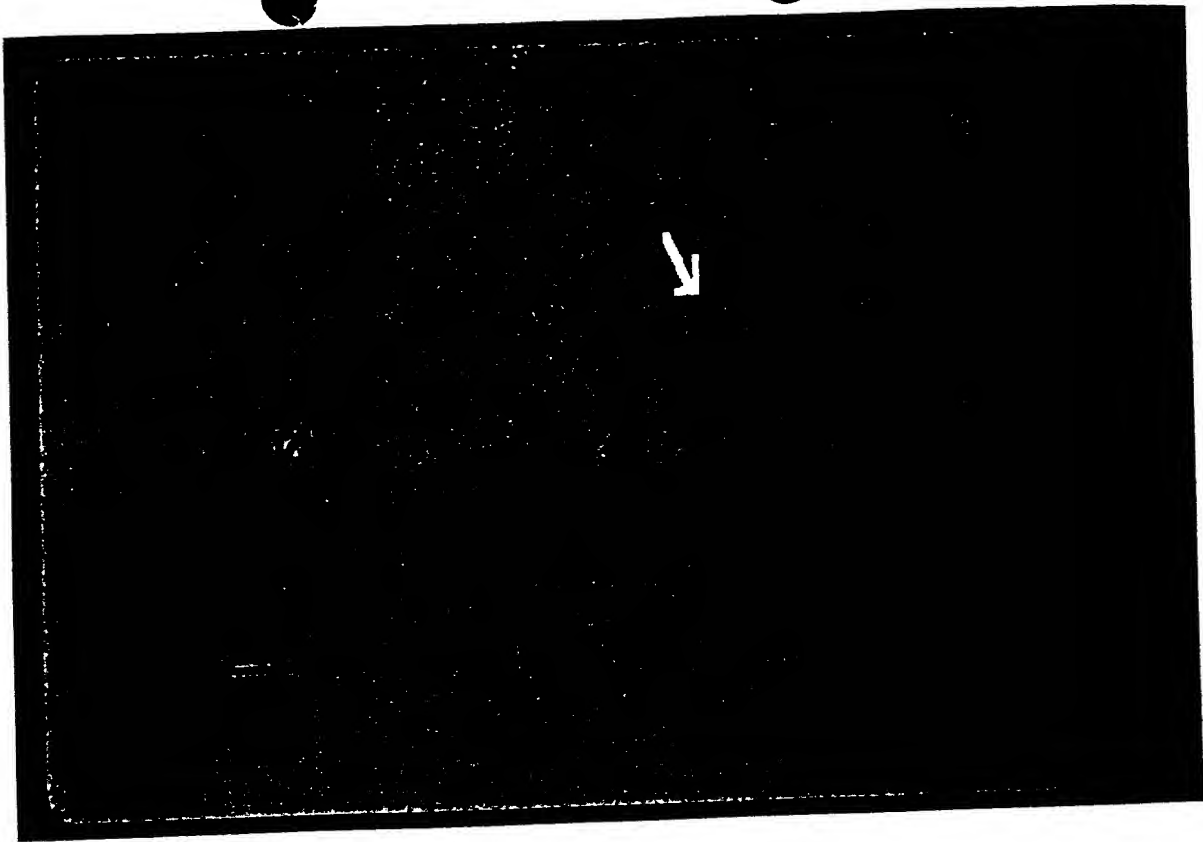


Figure 35

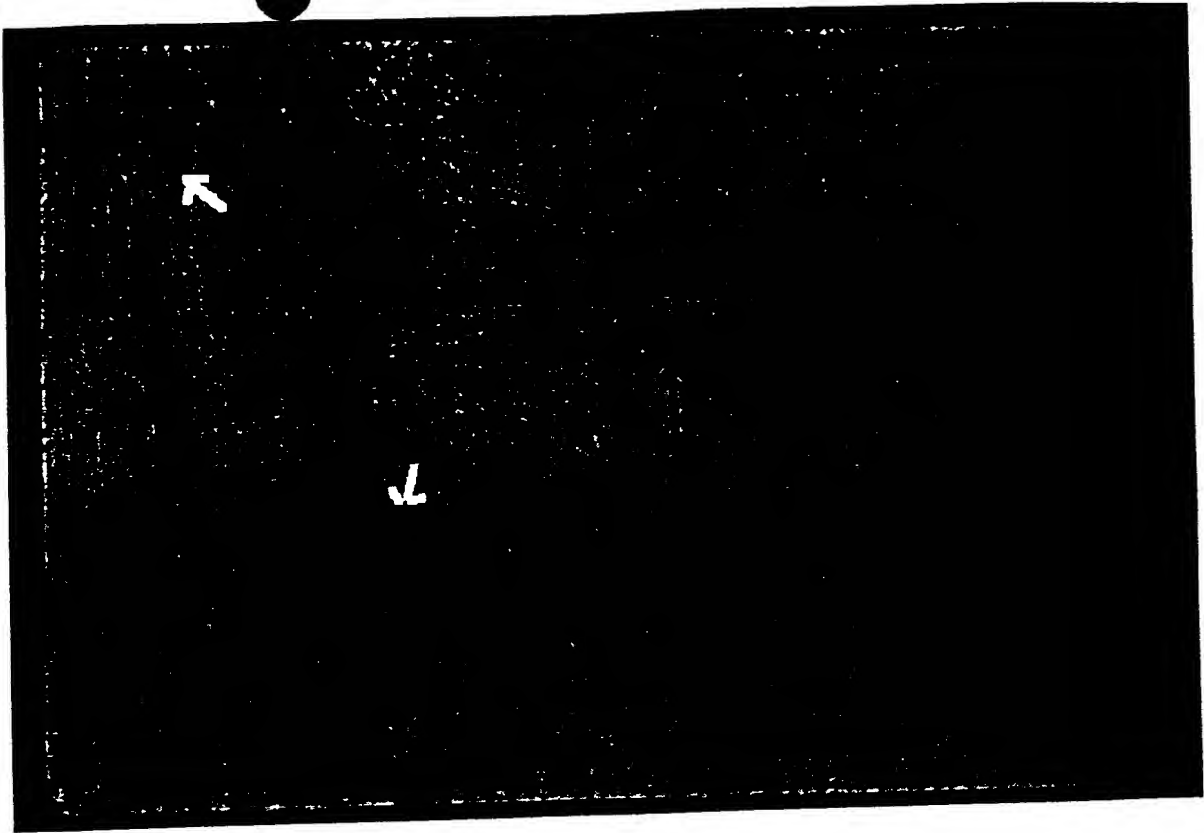


Figure 36



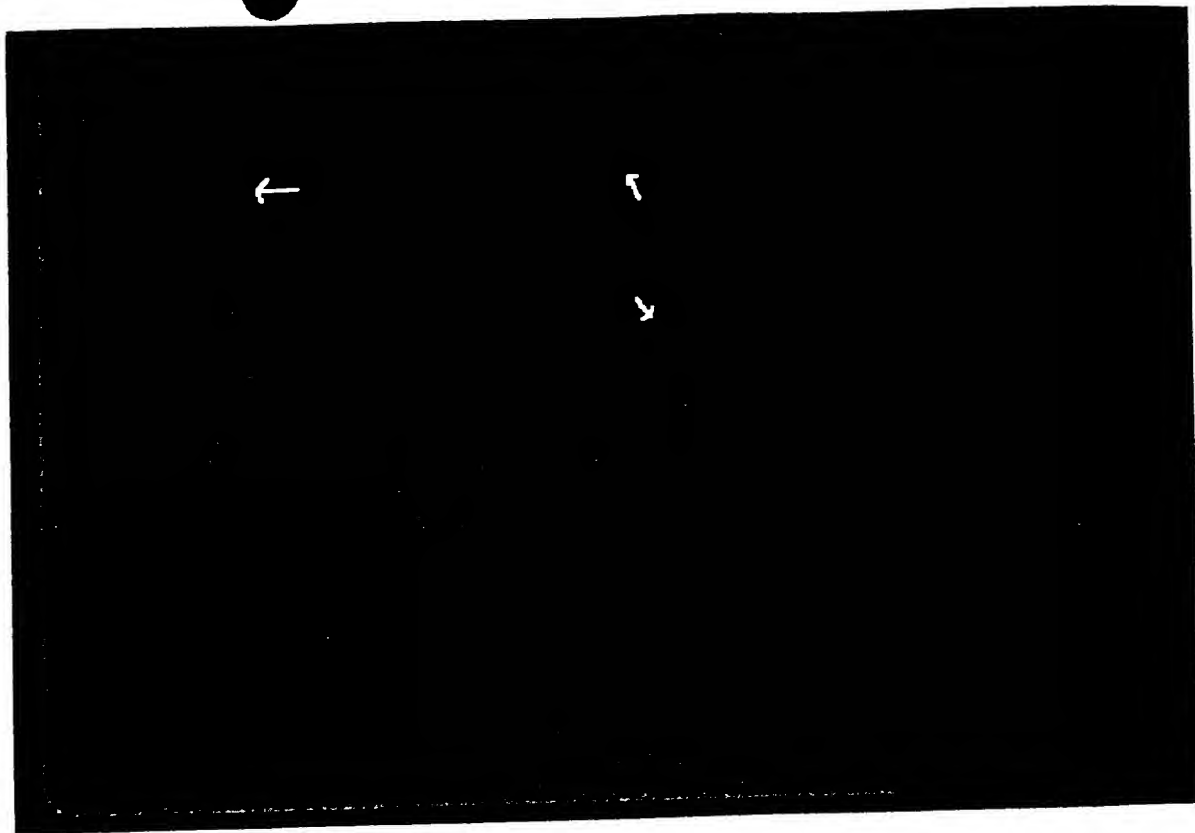


Figure 37

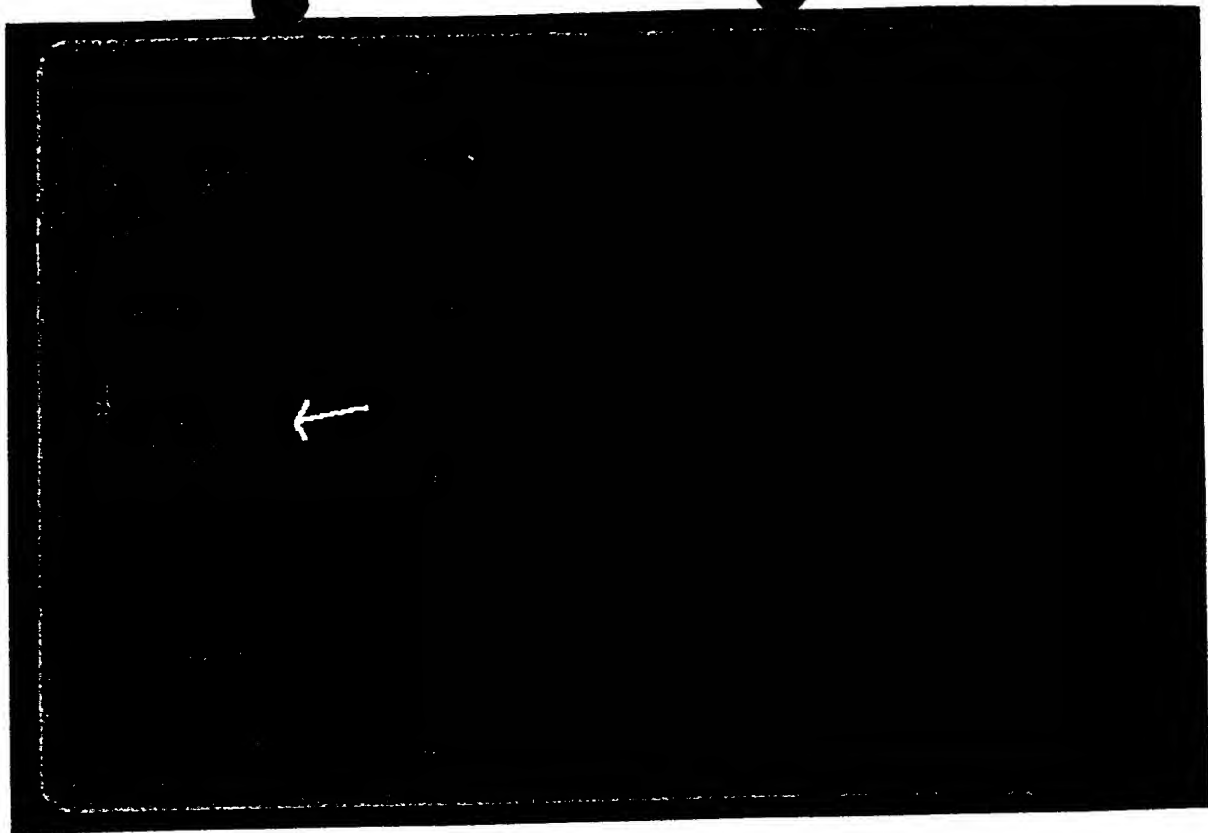


Figure 38

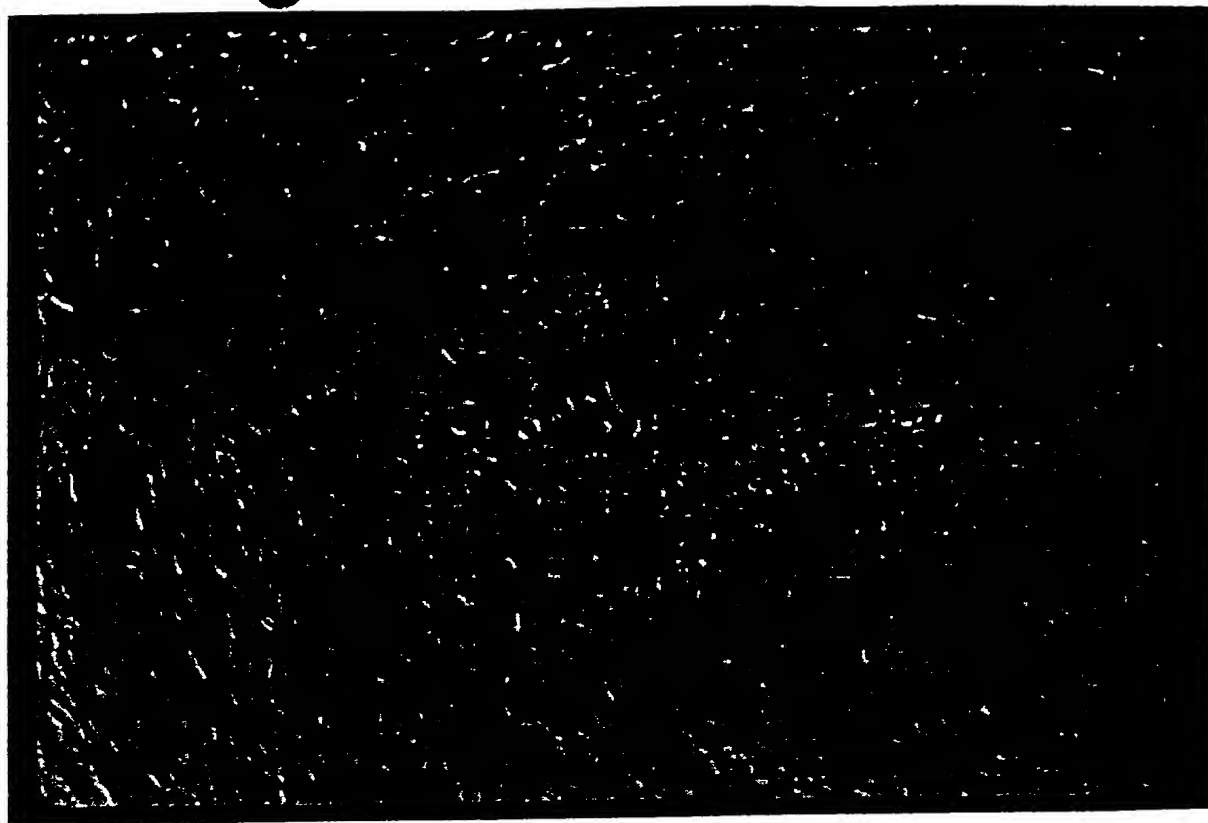


Figure 39



Figure 40

# CT3F 46, XX

(17 year-old female dermal biopsy specimen)



Figure 41

L141200-021 11/01/00

HS10-1%  
2 days conditioned

*in vitro* aPPSC Differentiation on Matrigel

*Tube format*

24 hours

12 hours

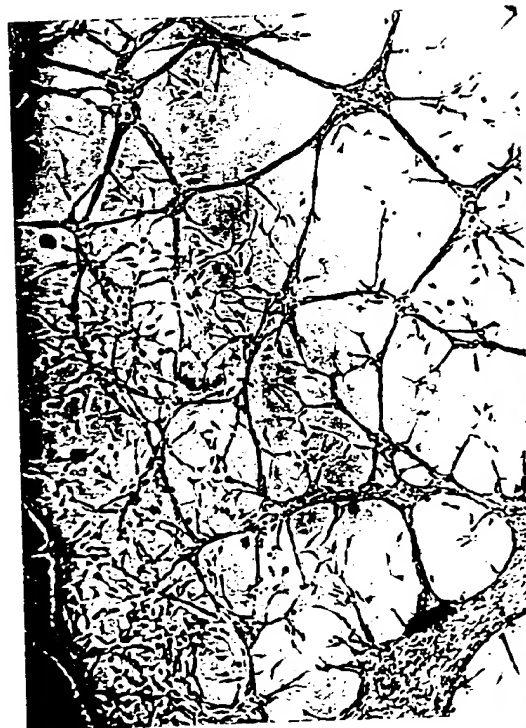


Figure 42

*in vitro aPPSC Differentiation on Matrigel*

1% + VEGF  
2 days conditioned

*Tube formation*

24 hours



*loop formation?*

12 hours



Figure 43

*aPPSC Localization following Administration*

1 wk after i.v. injection  
to ischemic animal



*incorporated  
into bone marrow*

Figure 44



# Matrigel after 1wk Condition

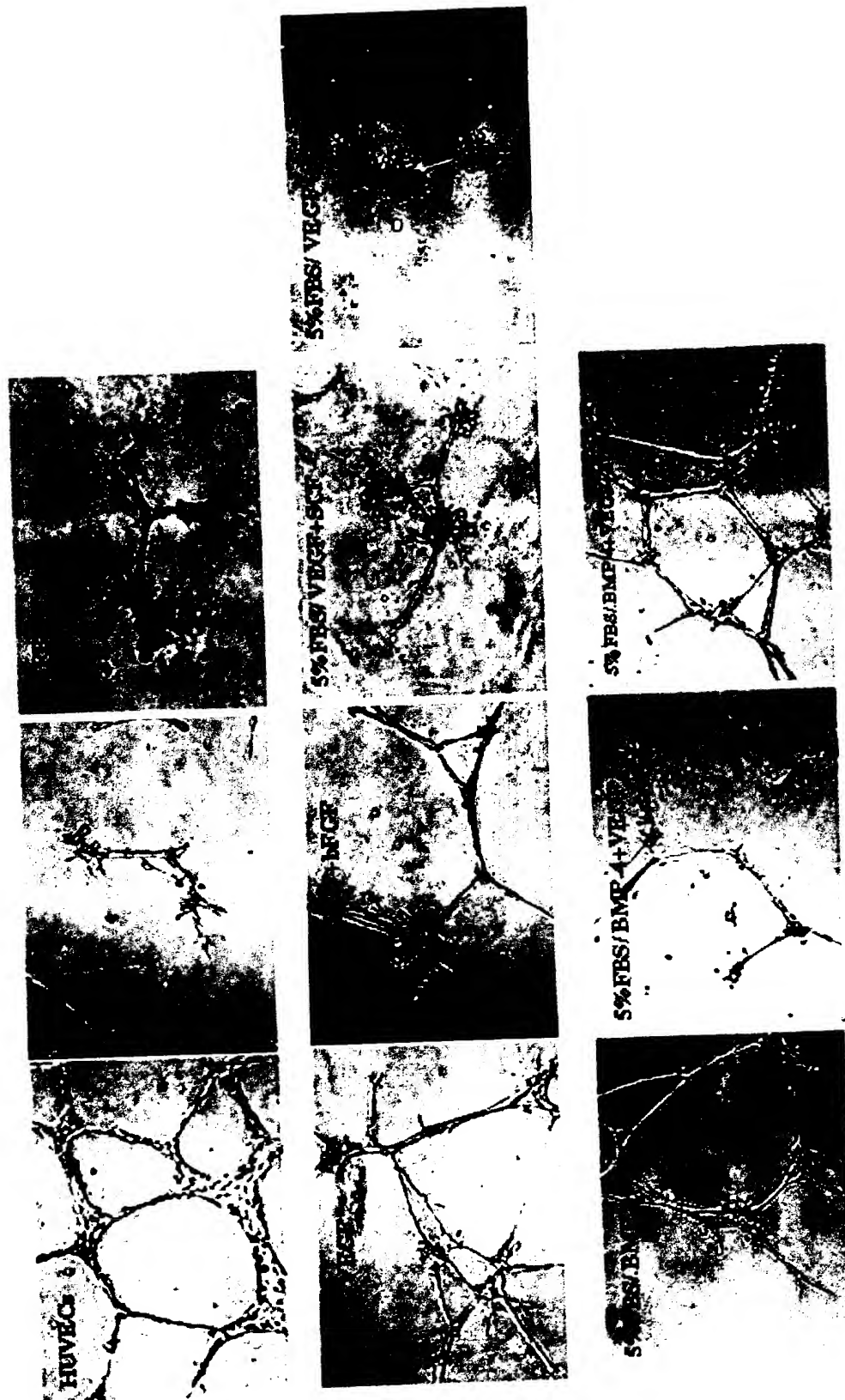


Figure 45

## ELSC-derived Cells in Matrigel

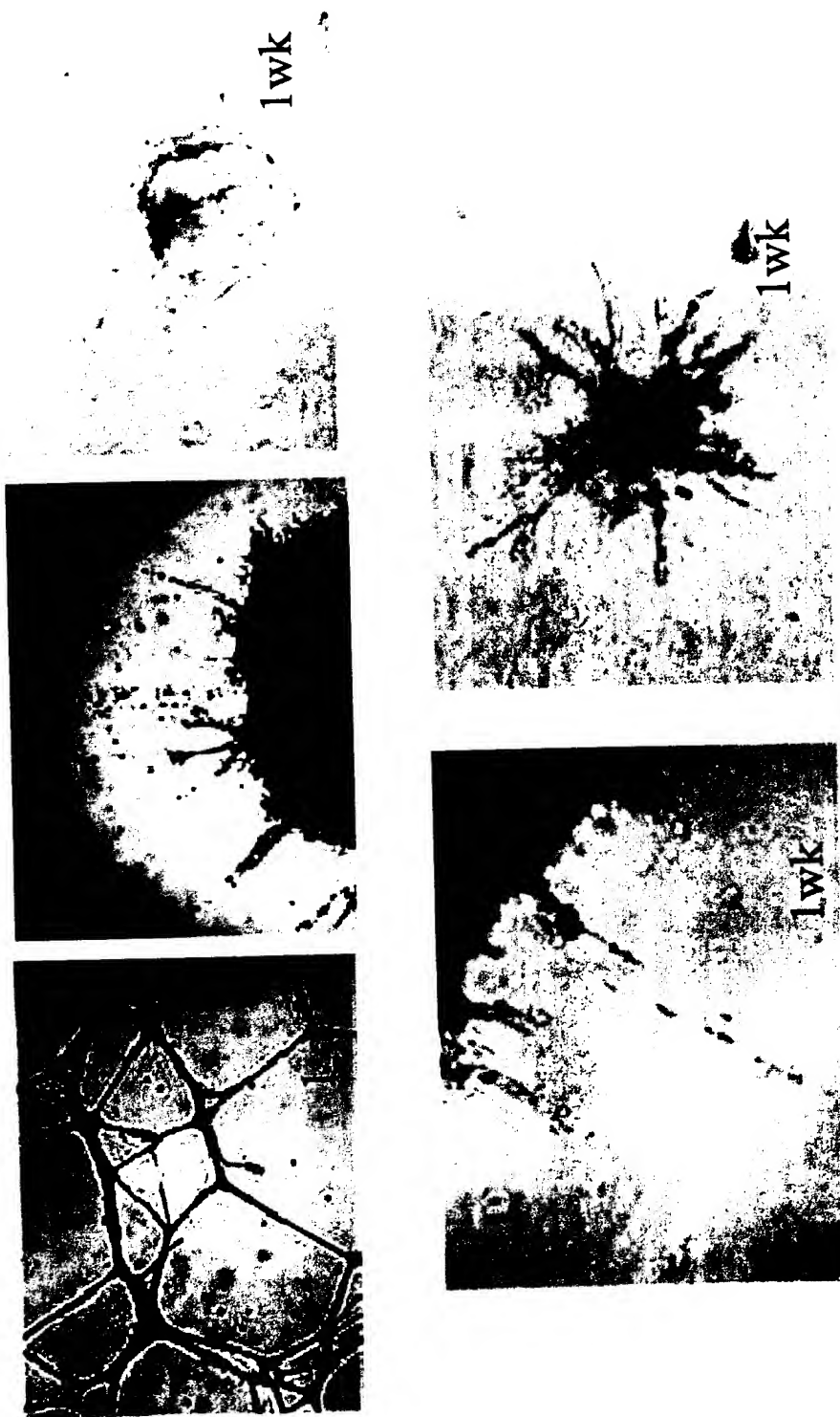


Figure 46

# ELSC-derived Cells in Matrigel

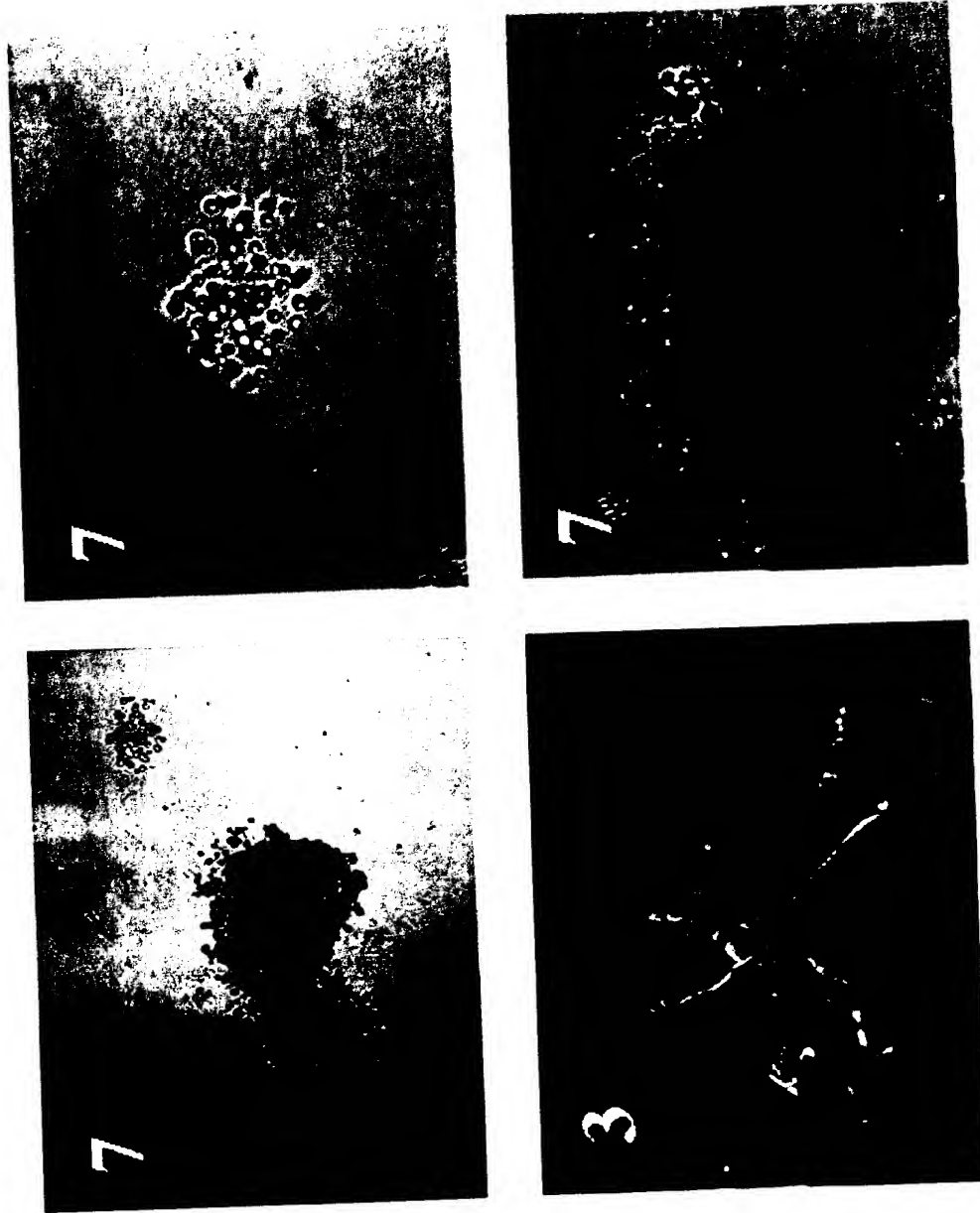


Figure 47

# ELSC Transplantation into Hindlimb Ischemia

2 wks



Figure 48

# ELSC Transplantation into Hindlimb Ischemia

2 wks



Figure 49

## Muscle Organogenesis by ELSC in Hindlimb Ischemia



2wks

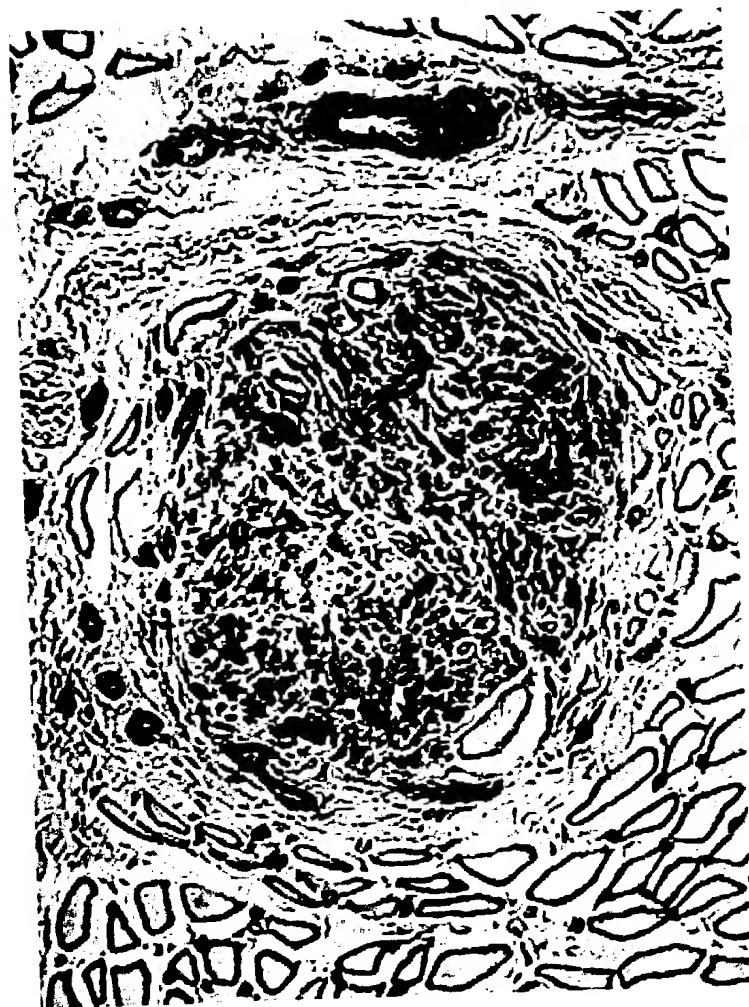
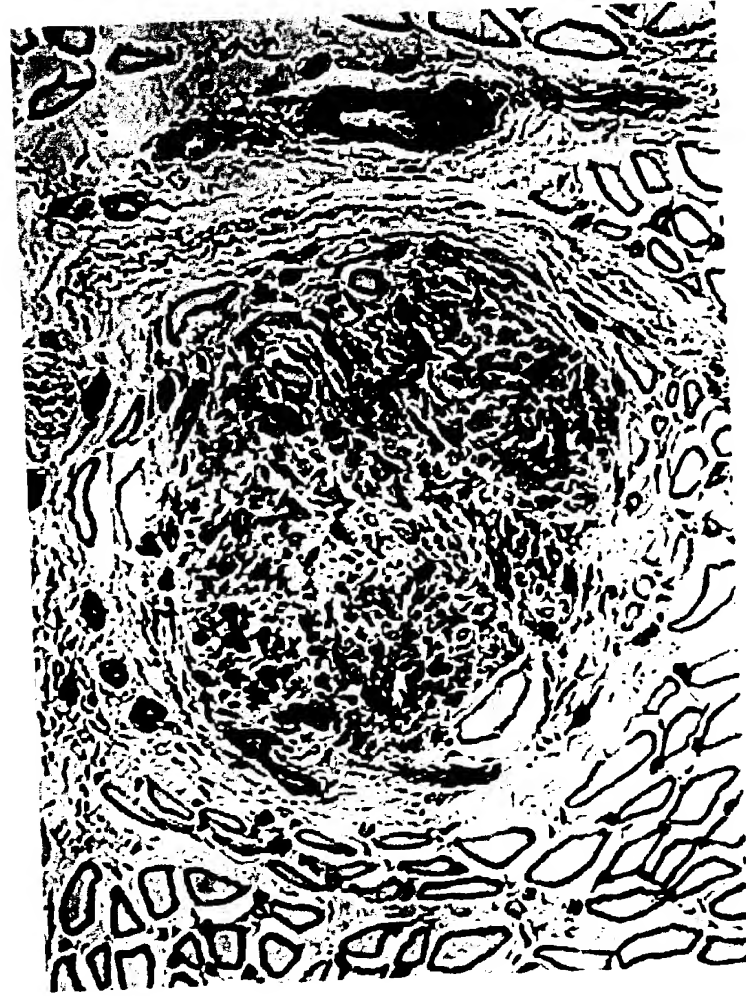


Figure 50

# Muscle Organogenesis by ELSC in Hindlimb Ischemia



2wks

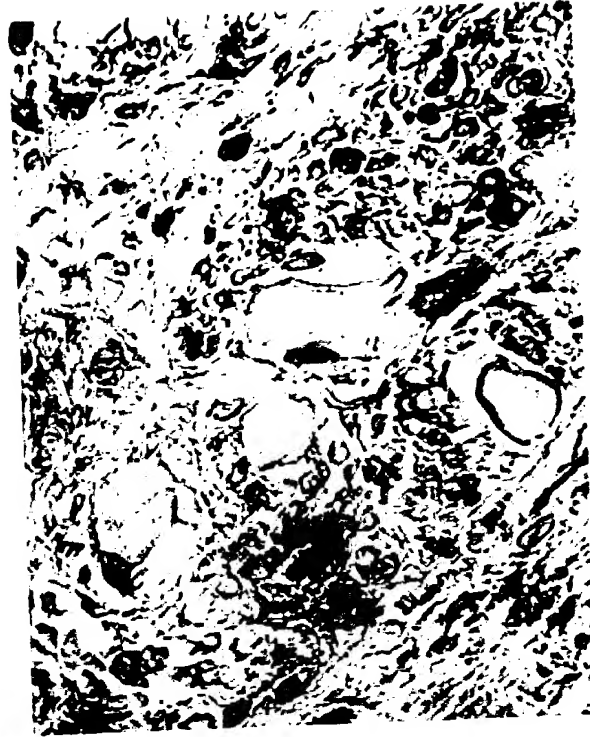
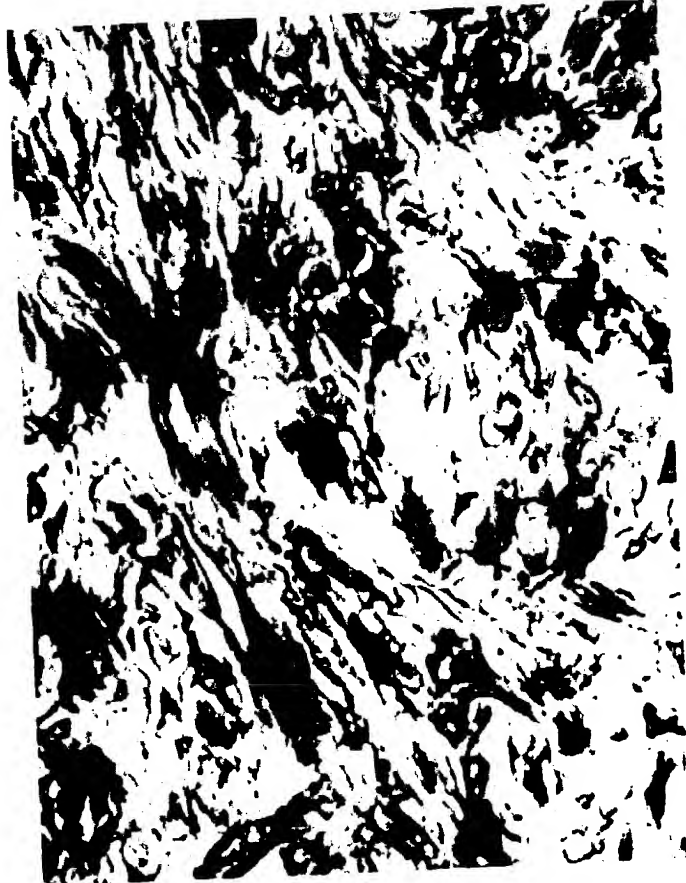


Figure 51



# Organogenesis with Neovascularization by ELSC in Hindlimb Ischemia



2wks



Figure 52



# CT3F-1(RT-PCR)

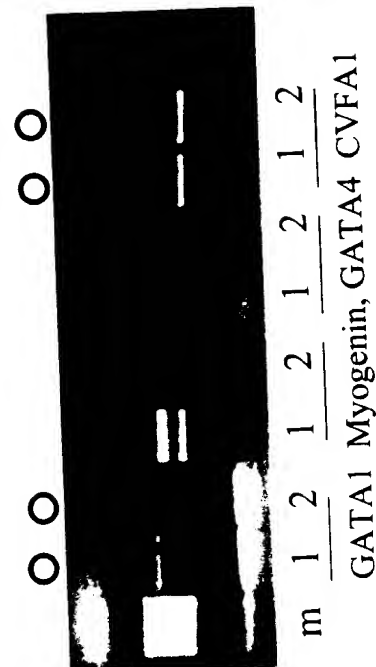
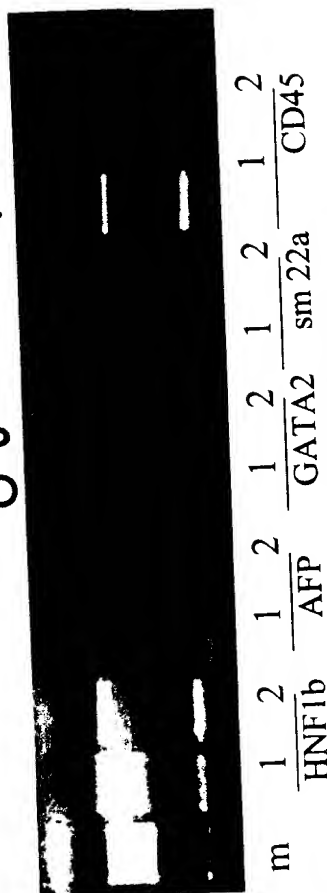
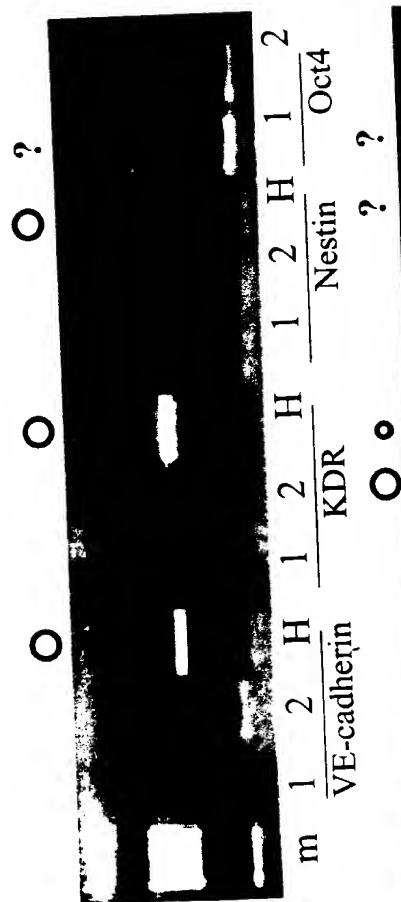


Figure 53

O O ? ? ?										O O ? ? ? O O											
m	E	M	E	M	E	M	E	M	E	m	E	M	E	M	E	M	B	L	H	E	M
KDR GATA1 Musashi Nestin HNF1b										sm 22a myogenin CVFA1											
										GAPDH											
O O O ?										O O O											
m	1	4	1	4	1	4	1	4	1	m	4	1	4	1	4	1	4	1	4	1	4
VE-cadherin KDR Musashi GATA1 CD45										HNF1b AFP sm 22a myogenin CVFA1 GAPDH											

**Figure 54**

[illegible]

## Figure 55

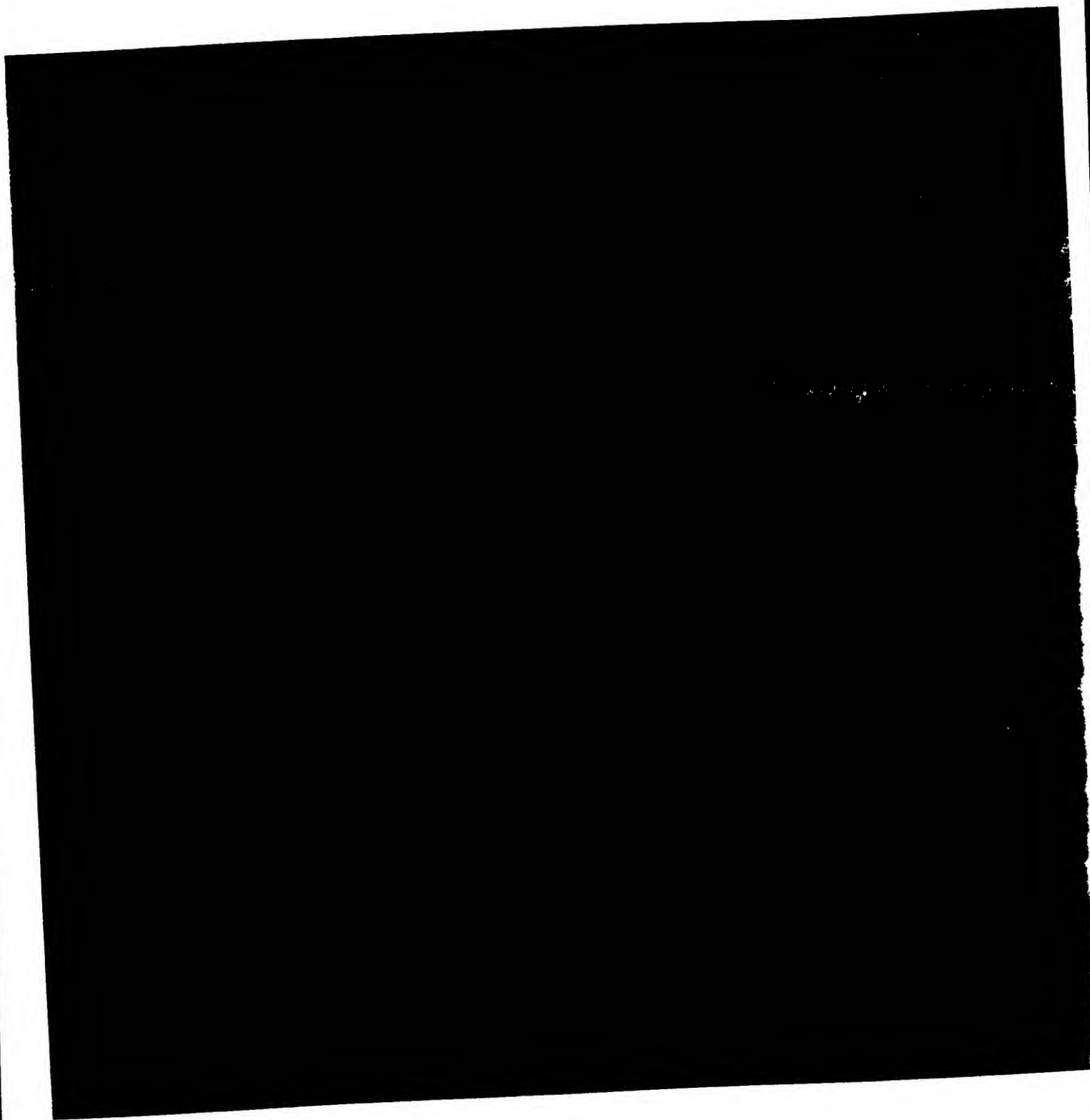


Figure 56

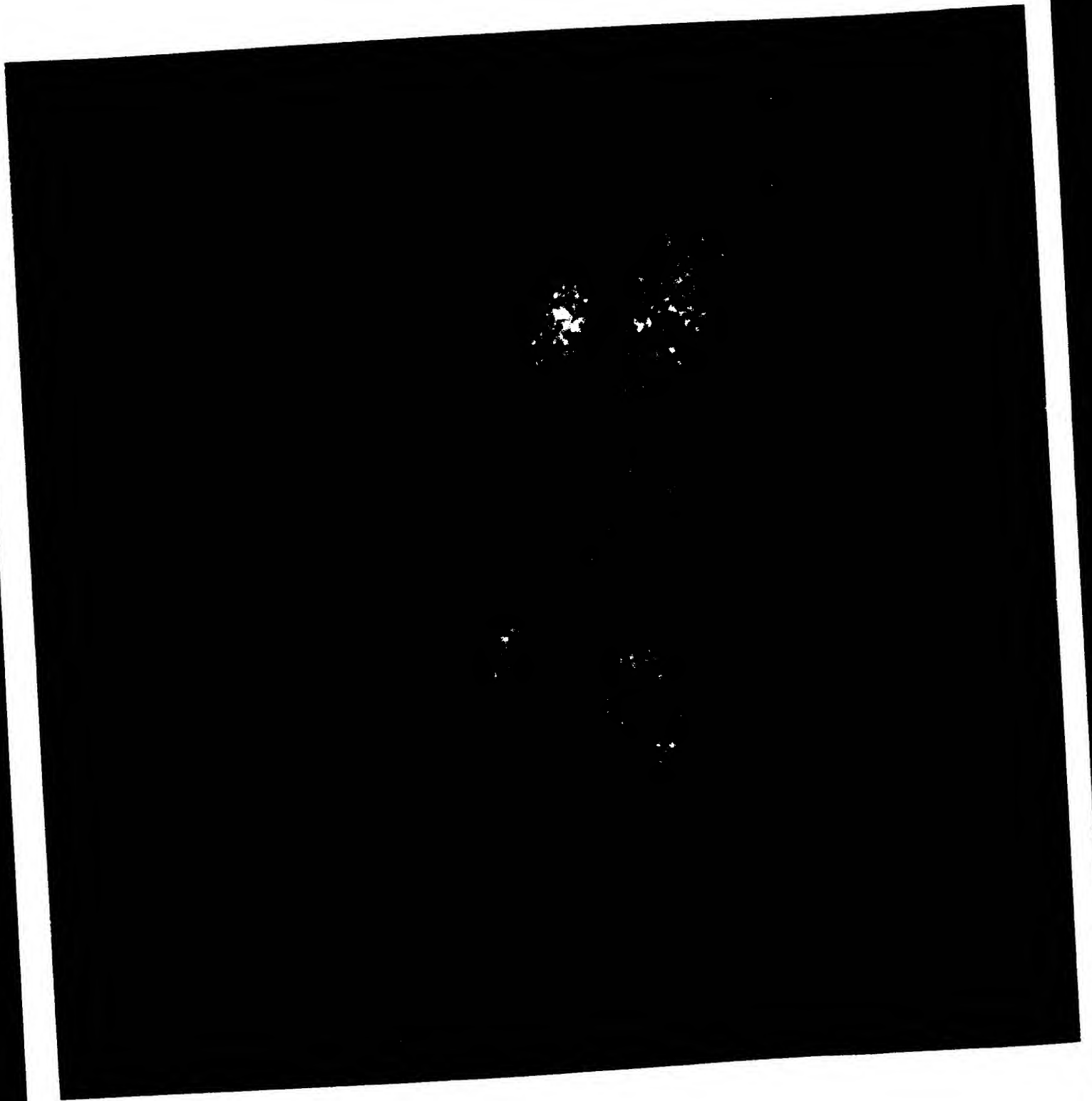


Figure 57



Figure 58



Figure 59

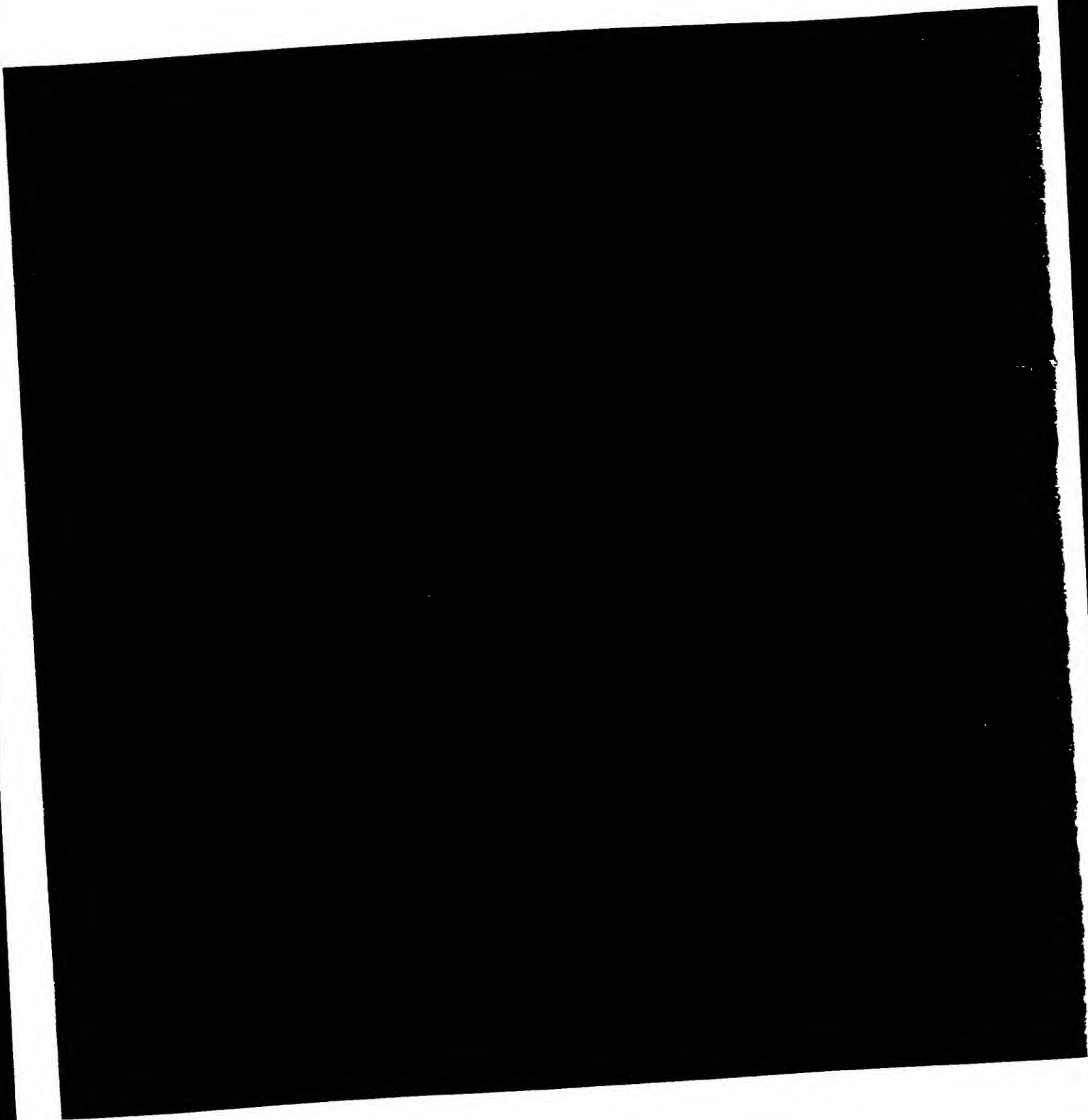


Figure 60



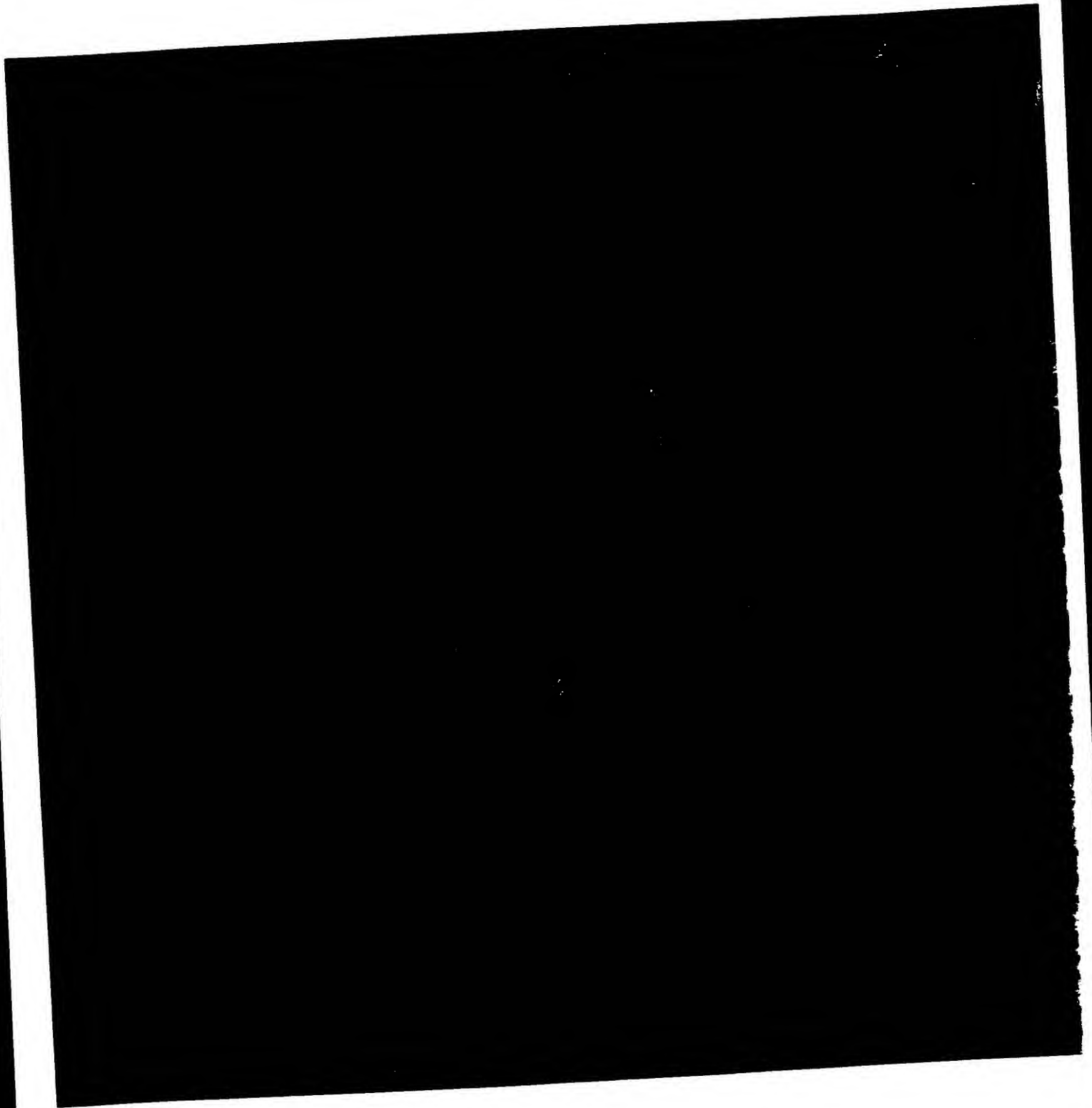


Figure 61

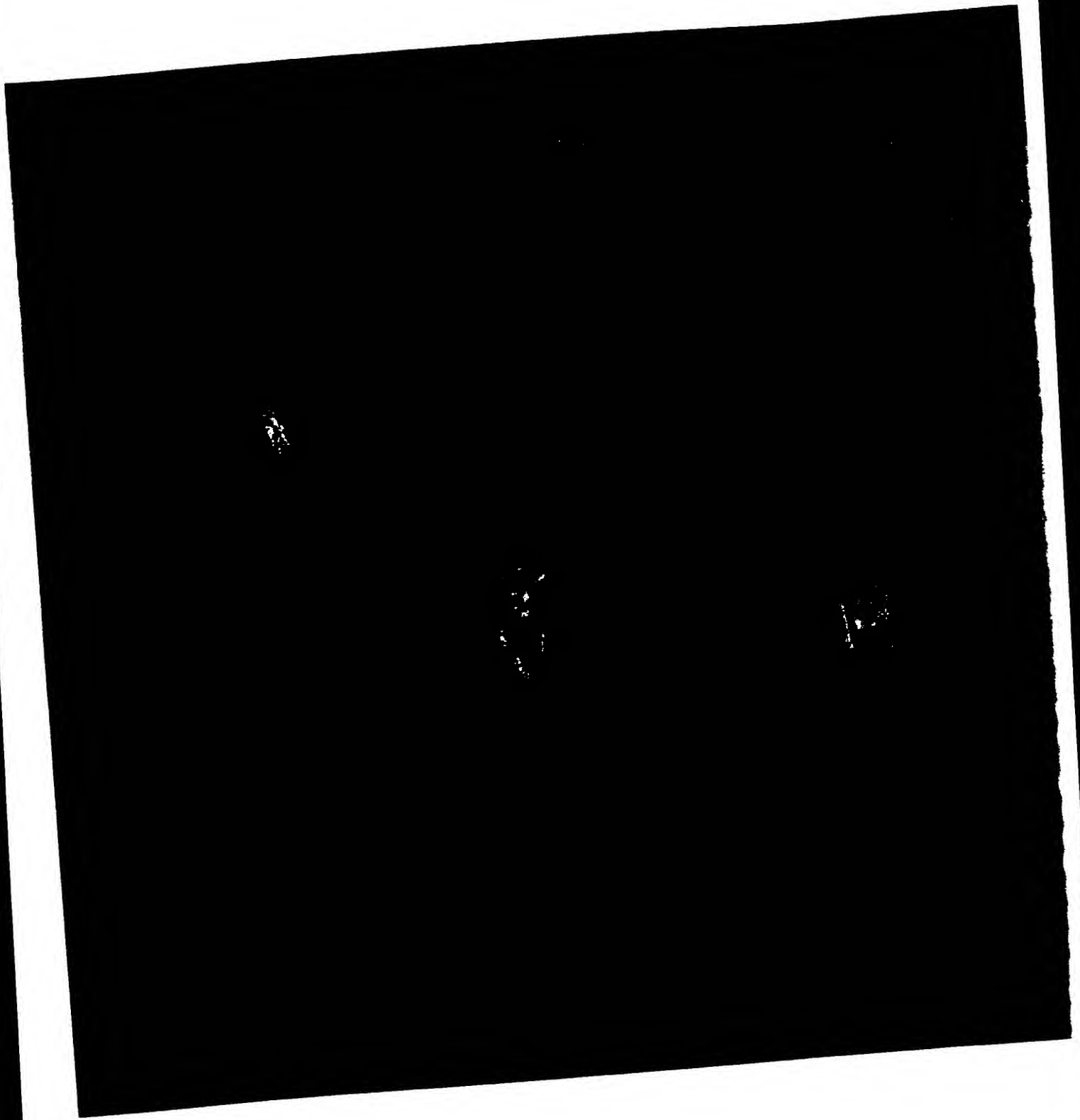


Figure 62

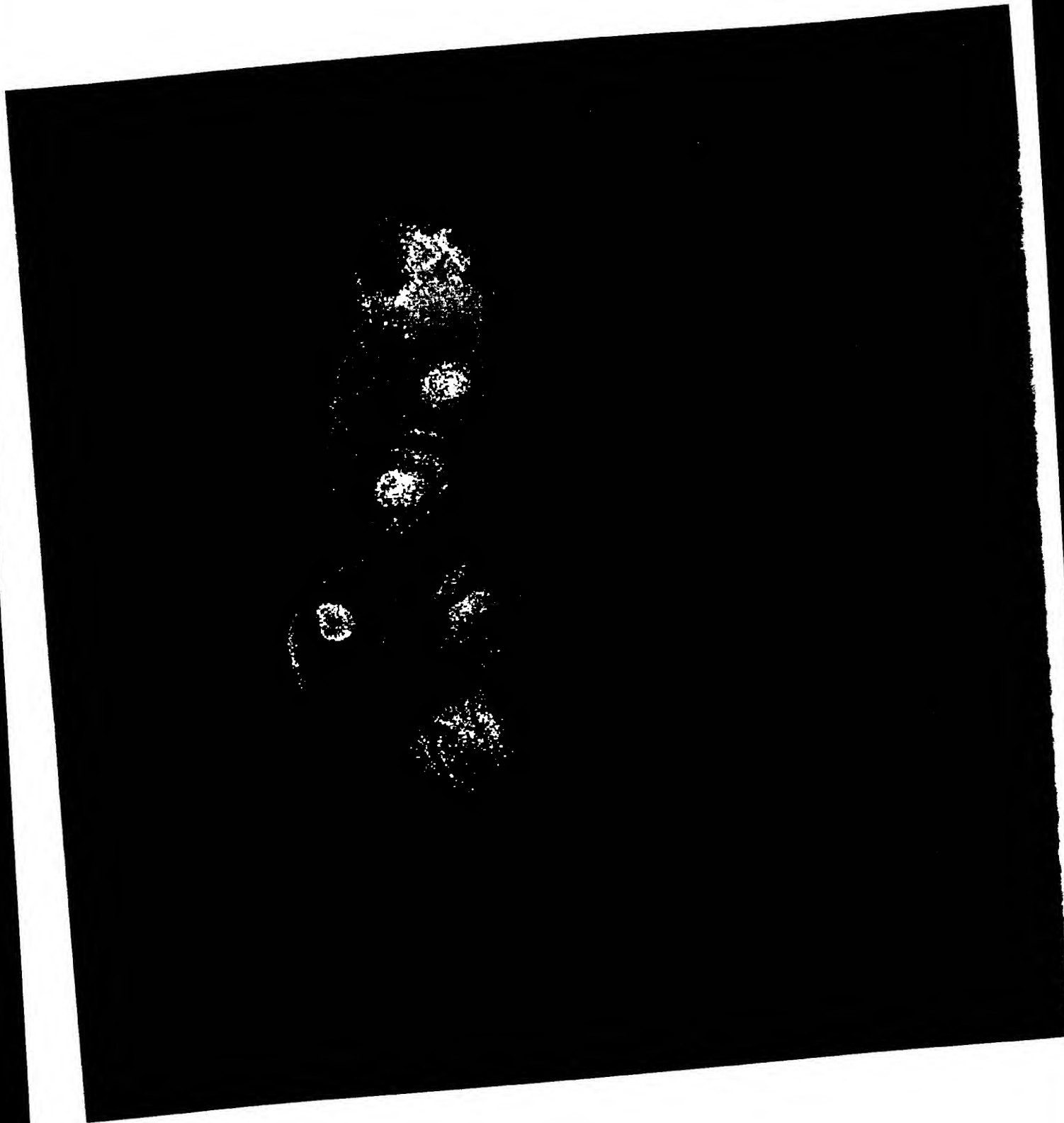


Figure 63

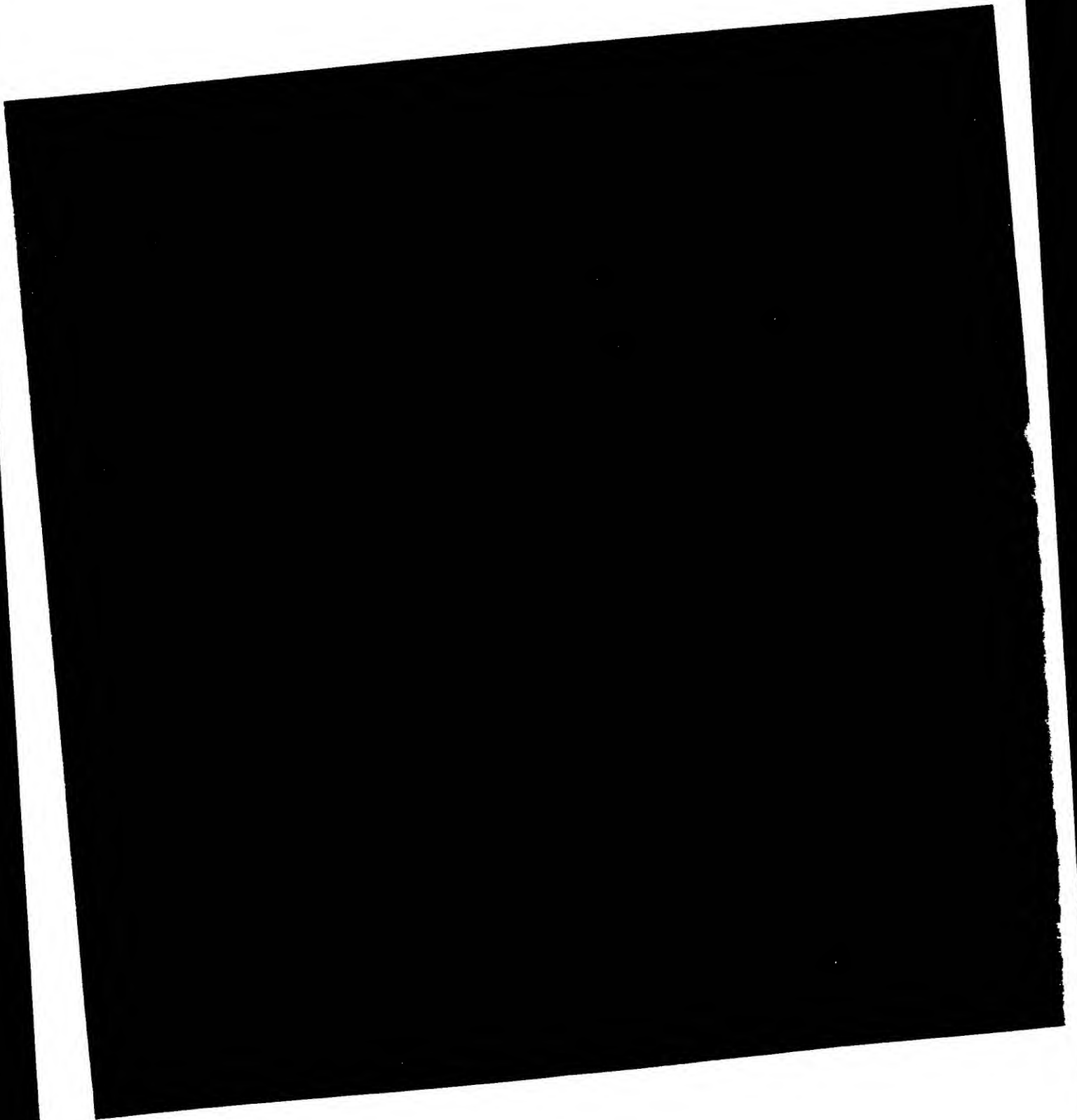


Figure 64

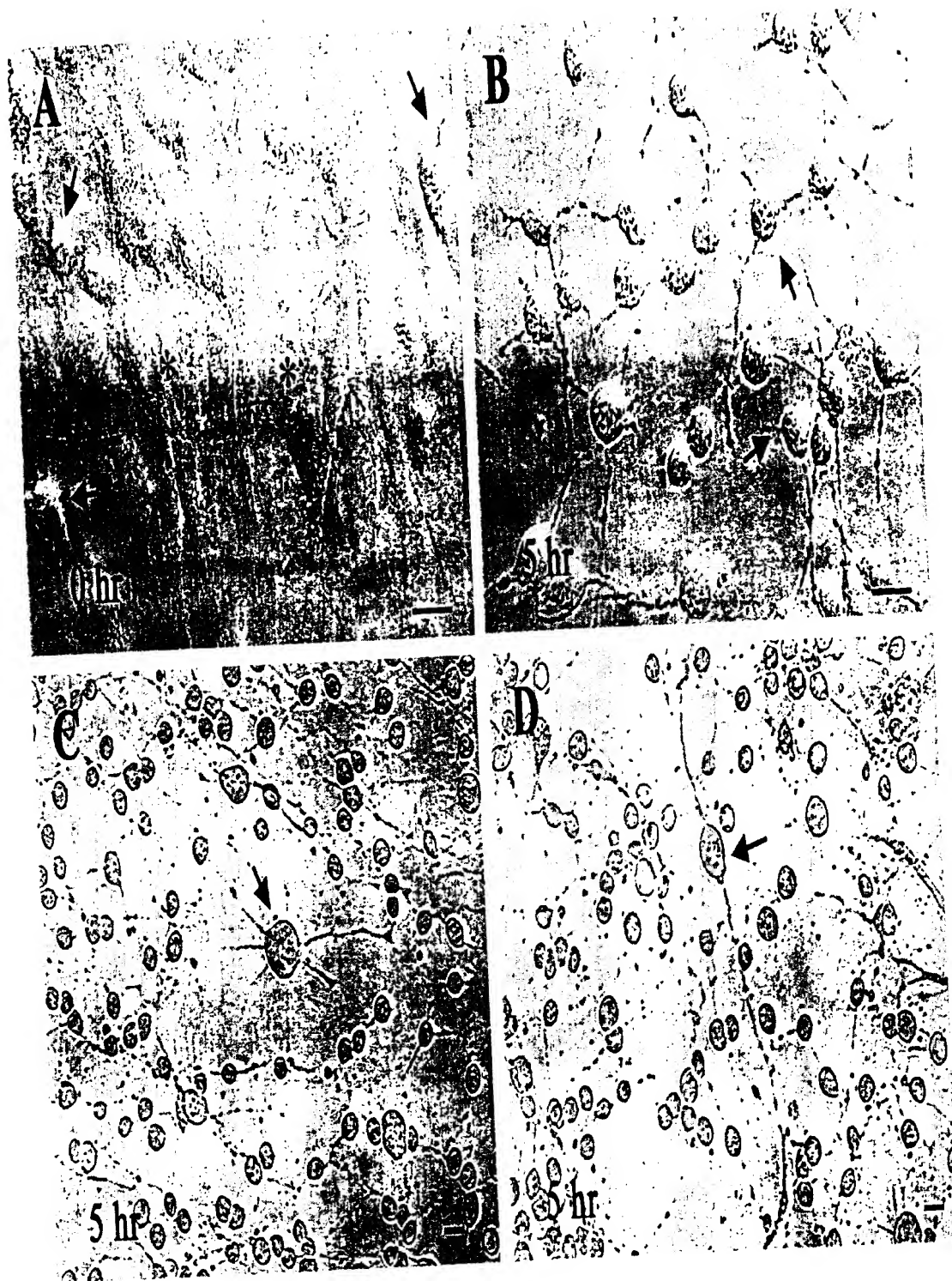


Figure 65

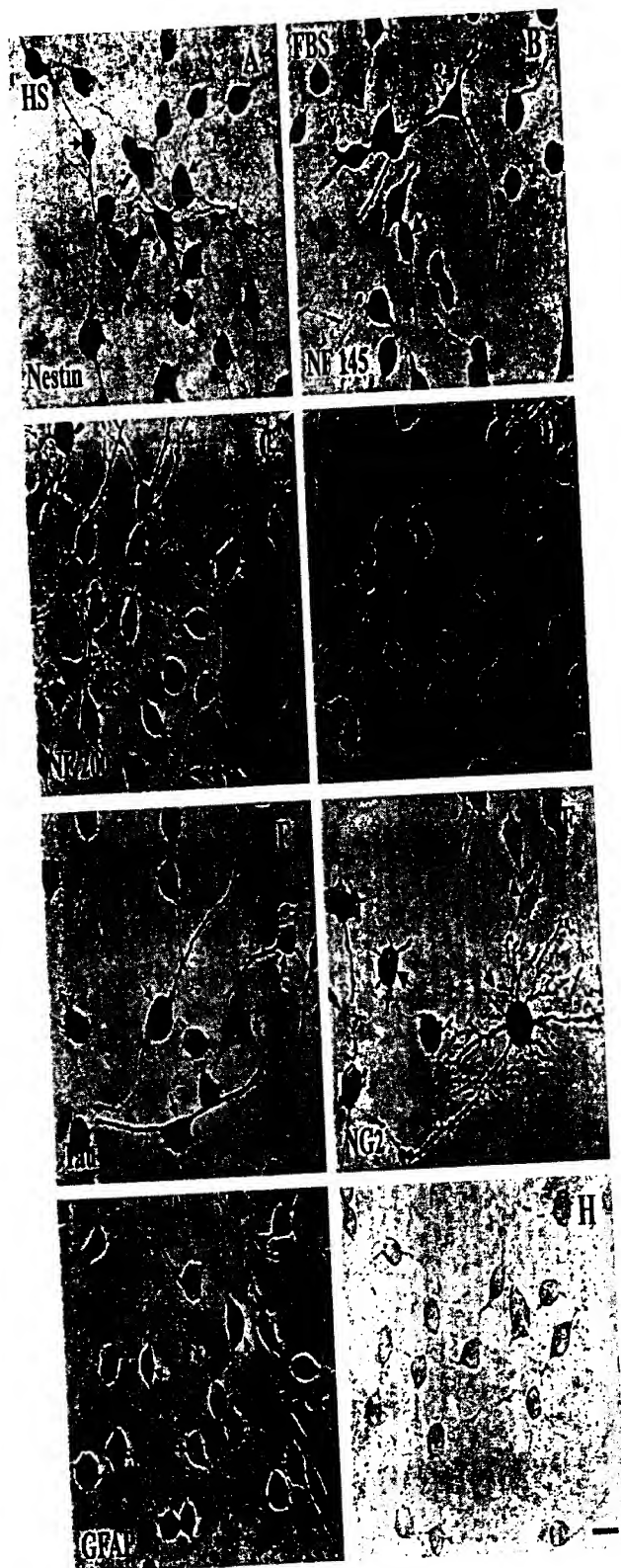
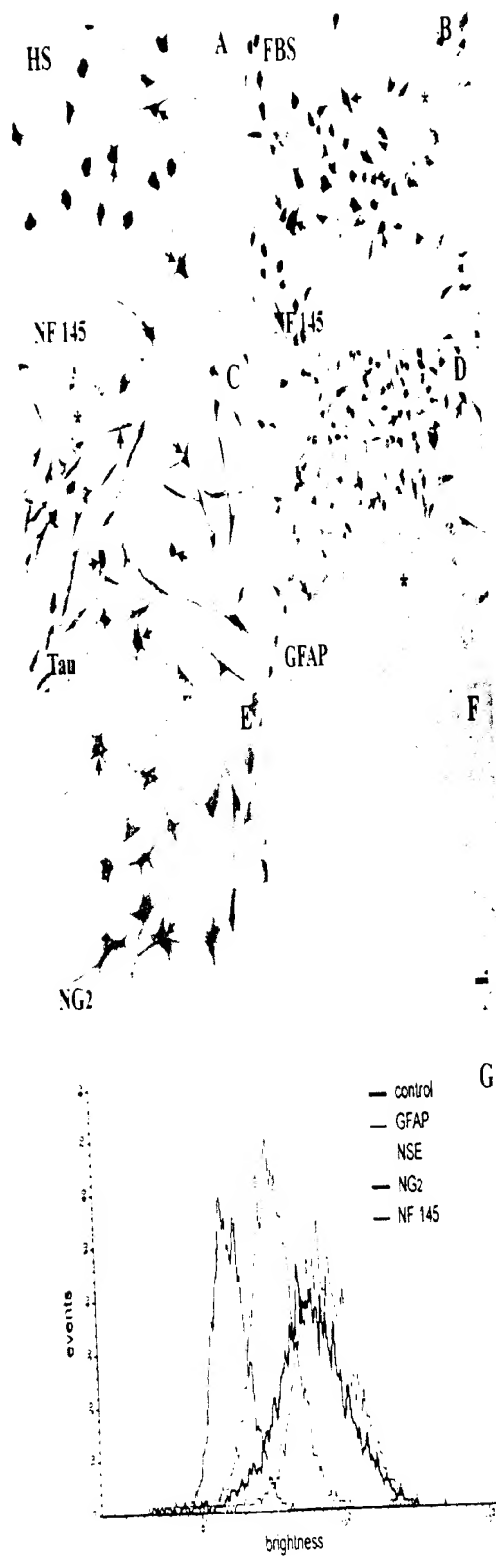


Figure 66



**Figure 67**

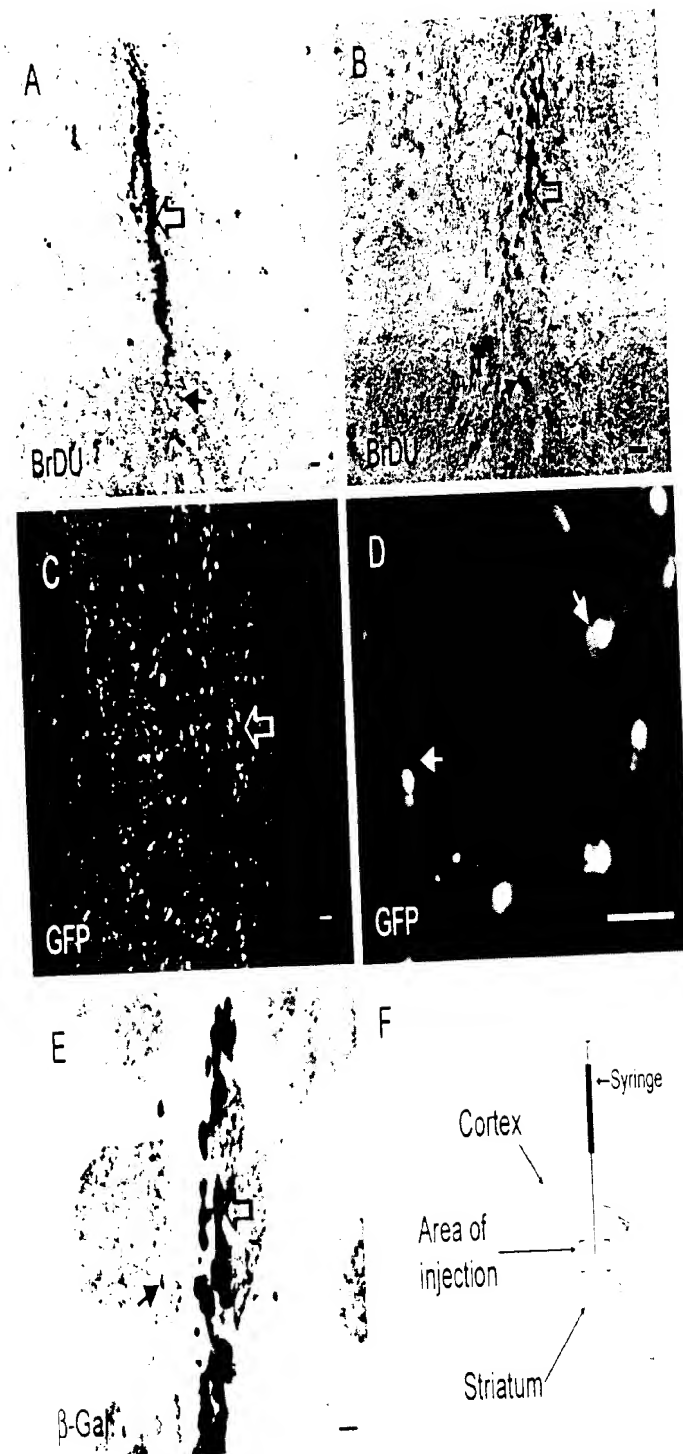


Figure 68



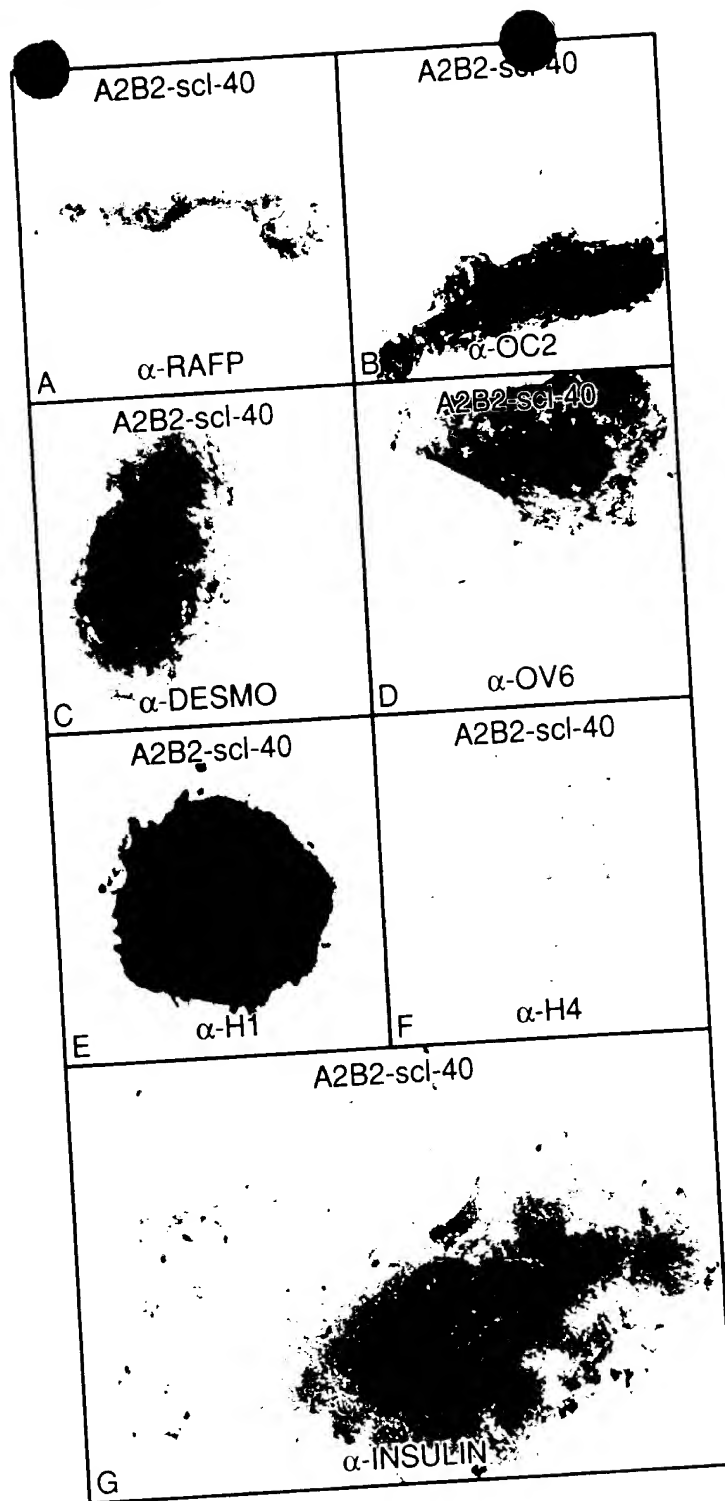


Figure 69

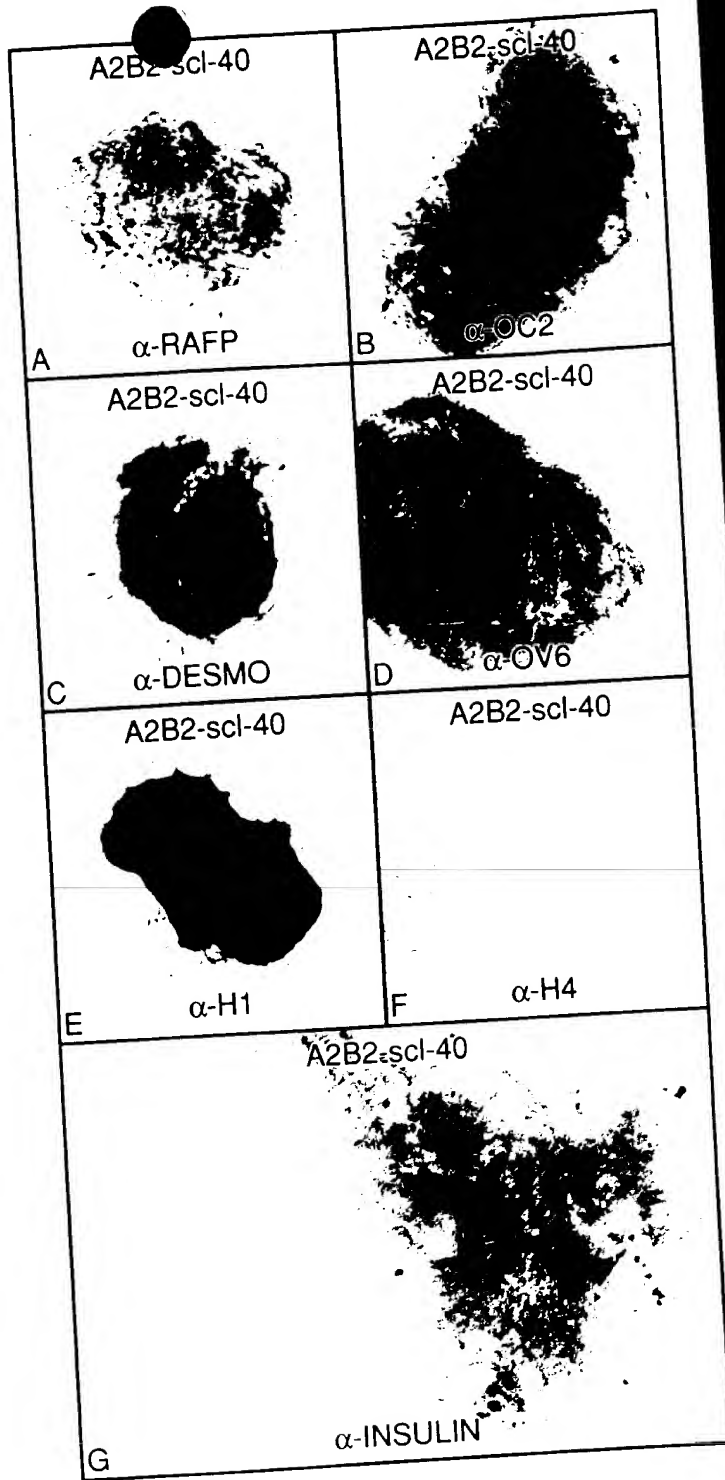
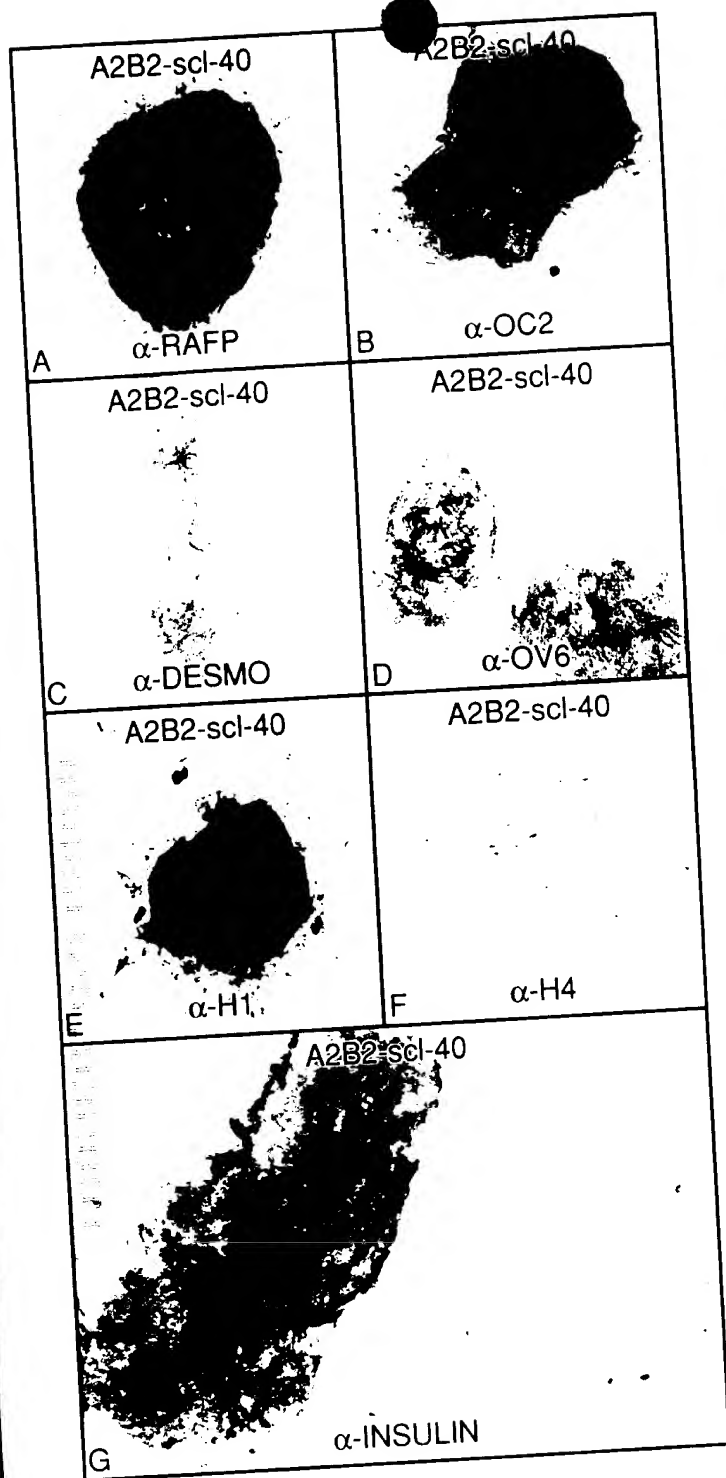


Figure 70

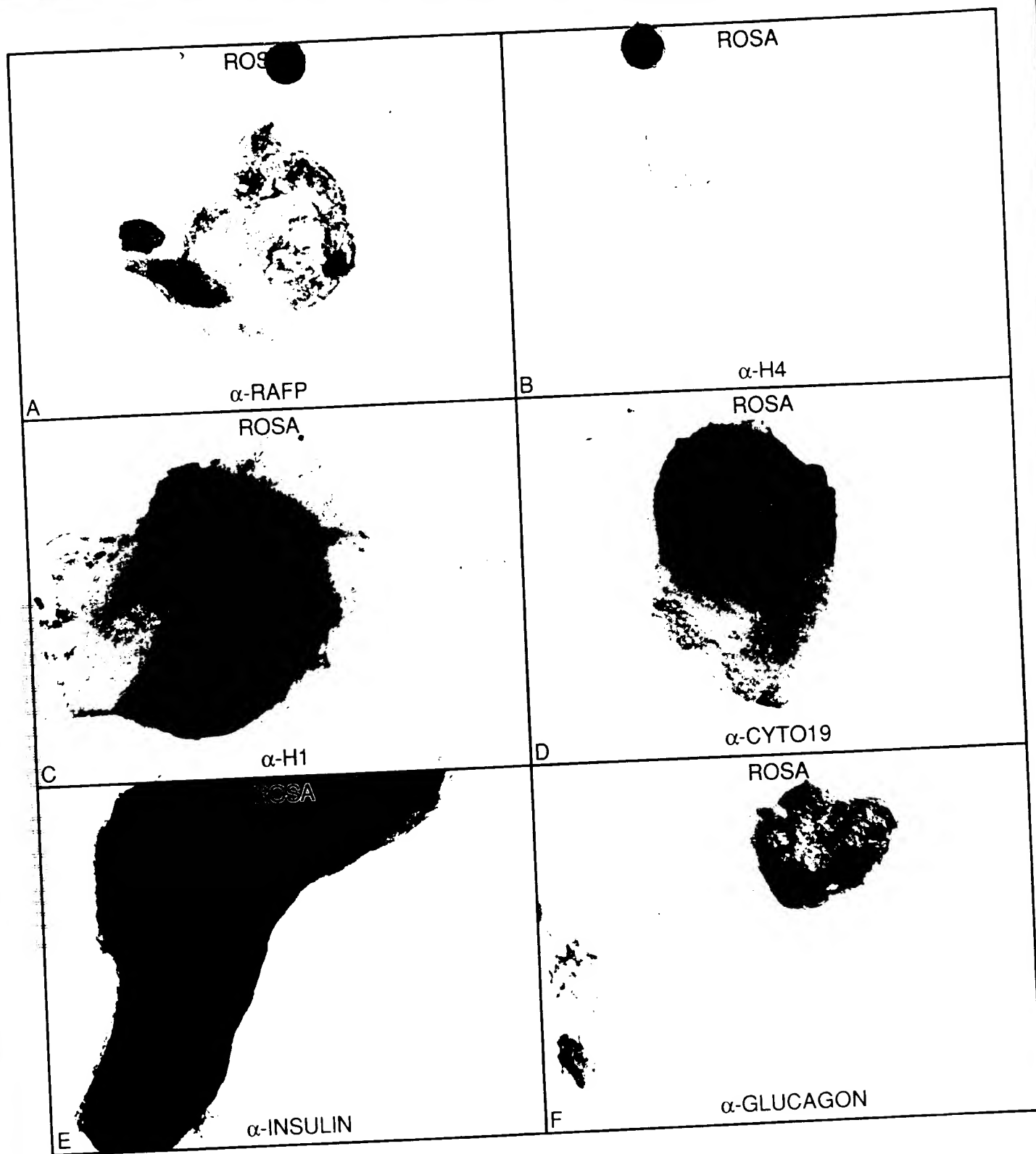


Figure 71

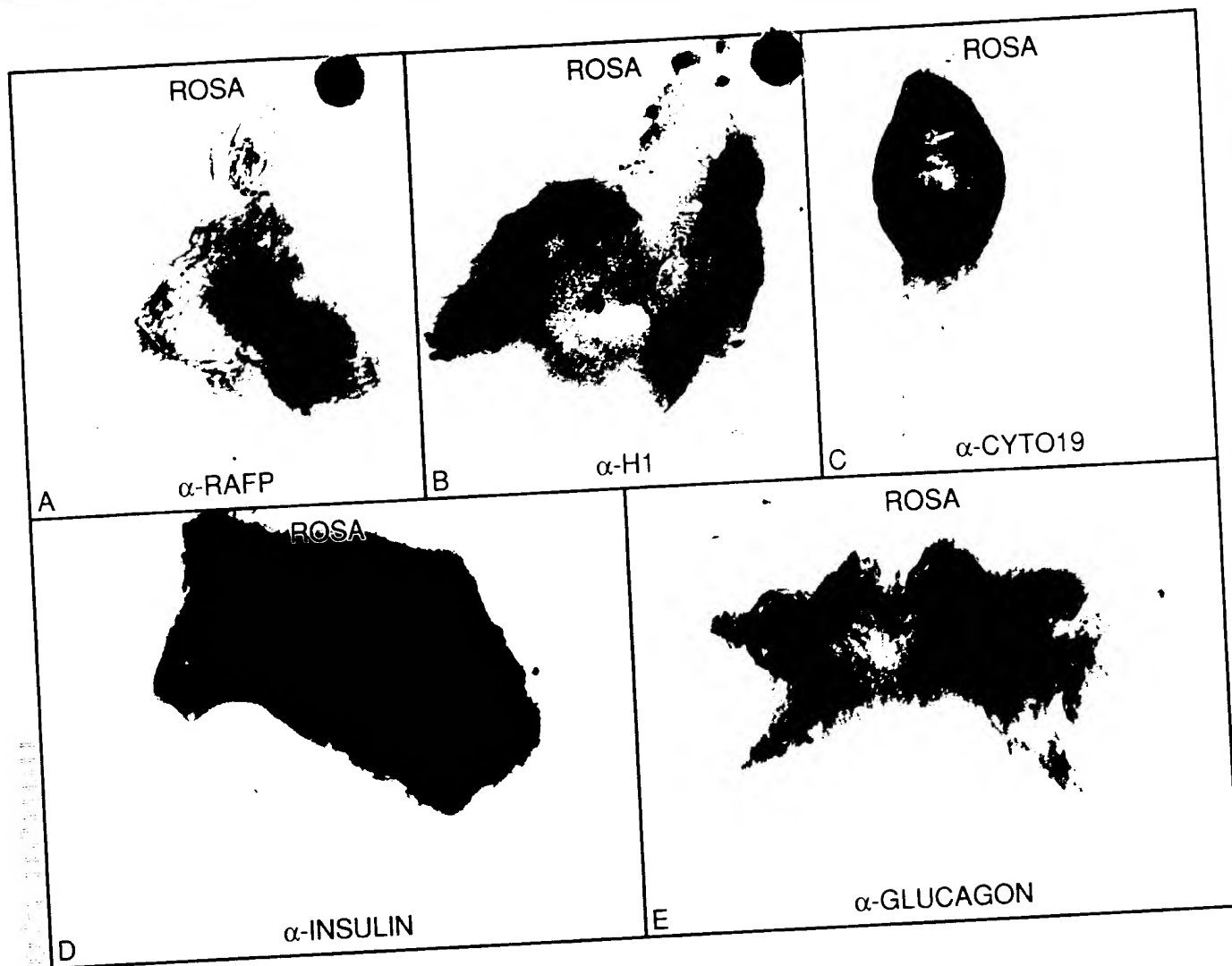


Figure 72

Figure 73

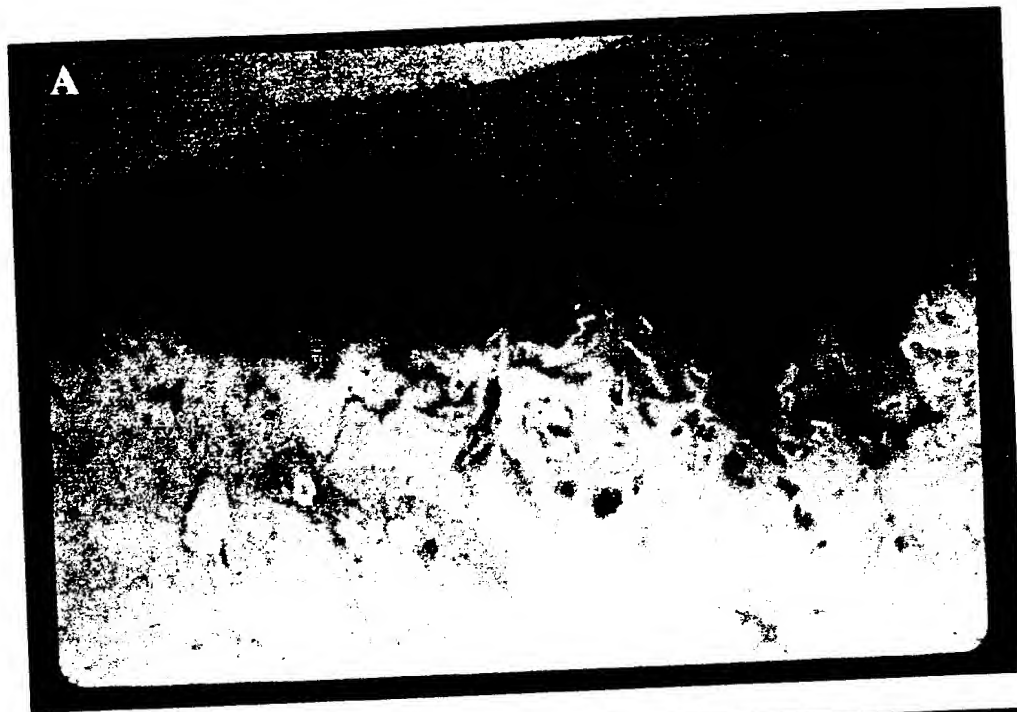


Figure 74

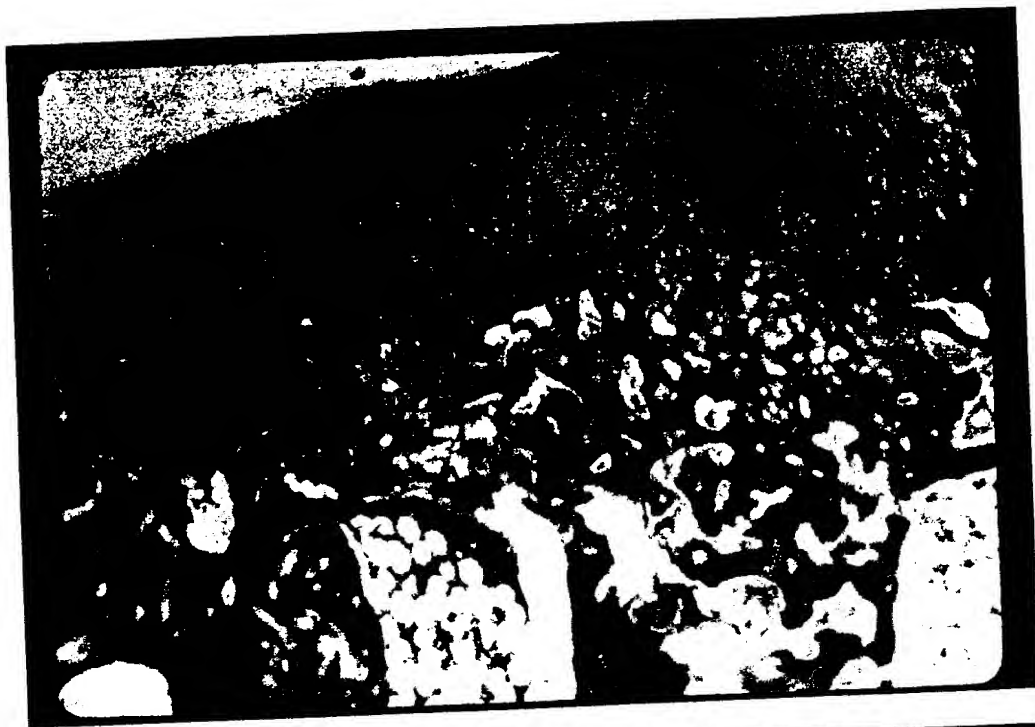
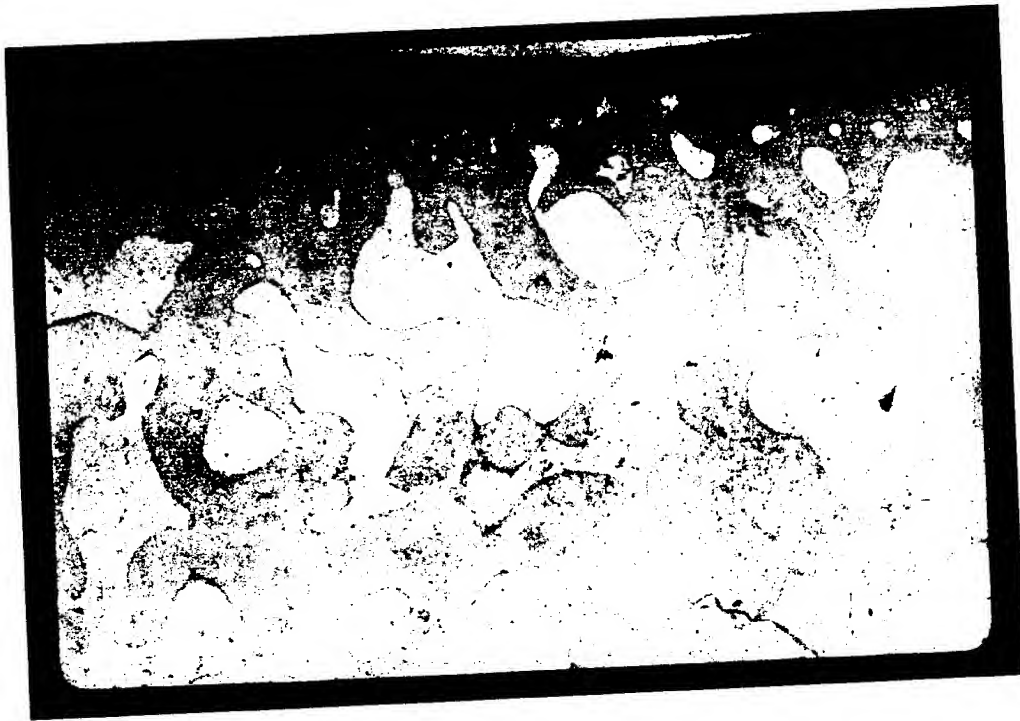


Figure 75



Figure 76



100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0



Figure 77



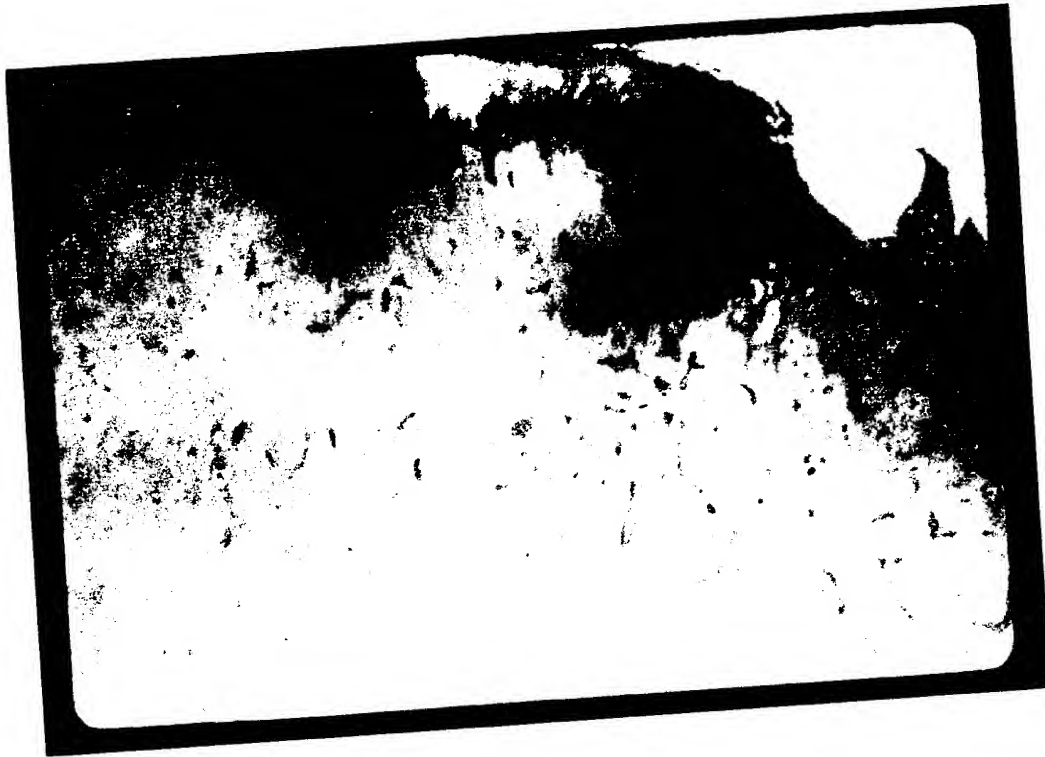


Figure 79

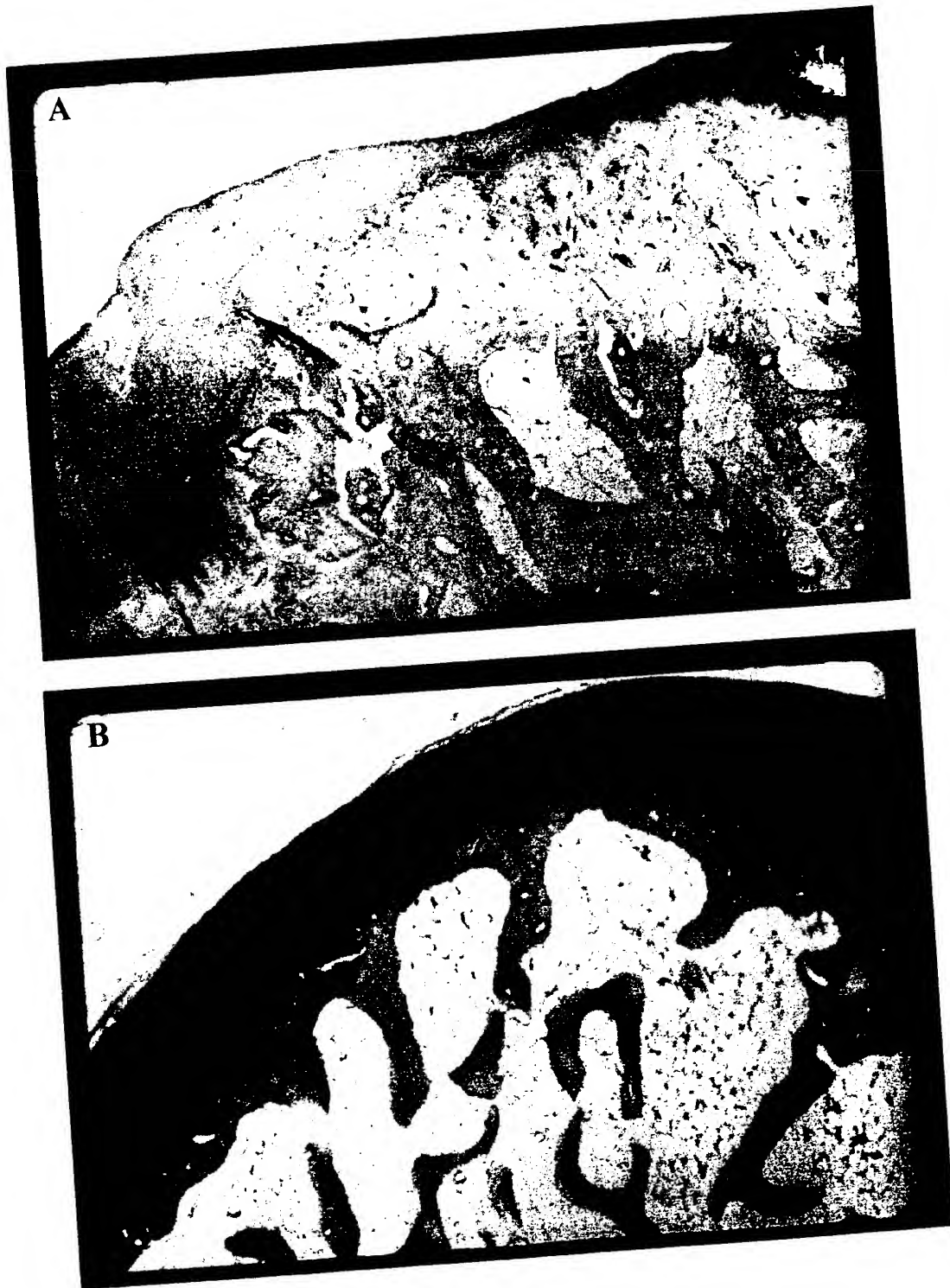


Figure 80

